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NAVAL POSTGRADUATE SCHOOL

MONTEREY, CALIFORNIA

THESIS

**UTILITY AND APPLICABILITY OF THE SHARABLE
CONTENT OBJECT REFERENCE MODEL (SCORM)
WITHIN NAVY HIGHER EDUCATION**

by

Mohammad B. Kohistany
Ilias Z. Zacharopoulos

June 2004

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**UTILITY AND APPLICABILITY OF THE SHARABLE CONTENT OBJECT
REFERENCE MODEL (SCORM) WITHIN NAVY HIGHER EDUCATION**

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ABSTRACT

This thesis critically analyzes the Sharable Content Object Reference Model (SCORM) within higher education and examines SCORM's limitations within a realistic application environment versus within a theoretical/conceptual platform. The thesis also examines environments better suited for implementation of SCORM technology.

In addressing the research questions, it was discovered that from the current standards set forth by Advanced Distributed Learning (ADL), SCORM is not well suited for higher education. SCORM technology will prove of greater utility within the Navy Training environment than in higher education. In their effort to share information, higher education institutions would benefit more from a Content Management System in conjunction with a Learning Management System.

Subsequent chapters addressed the limitations of SCORM, provided a comparison of the applicability of SCORM within the separate domains of naval Education and Training, and provided a prototype of a Content Management System for institutions of higher learning.

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LIST OF ACRONYMS

ADL	Advanced Distributed Learning
CMS	Content Management System
LCMS	Learning Content Management System
LMS	Learning Management System
RIO	Reusable Information Object
RLO	Reusable Learning Object
SCORM	Sharable Content Object Reference Model

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I. THE NEED TO MANAGE CONTENT

A. INTRODUCTION

This thesis will critically analyze the Sharable Content Object Reference Model (SCORM) within higher education. It will offer SCORM's limitations within a realistic application environment versus a theoretical / conceptual platform. Lastly, the thesis will offer recommendations on the environment that will receive the greatest benefit from the implementation of this technology. This chapter introduces SCORM and its parent initiative, DoD-backed Advanced Distributed Learning (ADL), as well as the concepts that will be discussed throughout this thesis.

B. DISORGANIZED INFORMATION

Thousands of terabytes of information are housed within and accessible through the Internet. That translates into millions of pages of data. Within the last decade, almost every sector of society has managed to digitize information and make it available for either limited or unlimited distribution. This aggregation of information has contributed to mass collections without any true design for organization and extraction.

As with any revolutionary idea, the Internet and its vast repositories of data and information were not produced or designed with the end in mind. Rather, it grew and morphed into something unrecognizable. All of the technology that makes the Internet possible serves to bring content, in the form of text, images, animation, audio, video, and their myriad combinations, to the intended or unintended audience. This content grew and continues to proliferate unchecked.

It is not until recently that attention has been redirected to the issue of content architecture. Institutions such as government, business, and academia all serve as legitimate and authoritative sources of content. The impetus is perhaps the same for all: cut the cost of education and training while maintaining or increasing the quality of material. It should not be a surprise that these parties are collaborating in a joint effort to create and share content that is:

...accessible from multiple remote locations through the use of meta-data and packaging standards; adaptable by tailoring instruction to the

individual or organizational needs; affordable by increasing learning efficiency and productivity while reducing time and costs; durable across revision of operating systems and software; interoperable across multiple tools and platforms, and reusable through the design, management, and distribution of tools and learning content across multiple applications. (ADL Overview, 2003)

C. ADVANCED DISTRIBUTED LEARNING AND SCORM

The Department of Defense, along with the White House Office of Science and Technology Policy, launched the Advanced Distributed Learning (ADL) initiative in 1997. ADL's goal is the acceleration of large-scale development of dynamic and cost-effective learning software and systems to stimulate an efficient market for these products to meet the education and training needs of the military and the nation's workforce (ADL Overview, 2003). Key to this plan is the development of a common technical framework for computer and net-based learning that will foster the creation of reusable learning content. This framework, known as the Sharable Content Object Reference Model (SCORM), is a software model that defines the interrelationship of course components, data models, and protocols such that content "objects" are sharable across systems that conform with the same model.

To adopt the guidelines and specifications outlined in the SCORM, there must be an intermediary process that allows easing into the change demanded of the serious content providers, such as professors and academicians. Although the ADL initiative was introduced in 1997, it has yet to be implemented and widely accepted by all three stakeholders, the academic, commercial and government sectors, comprised of hundreds of vendors, universities and agencies, who play a role in SCORM development through three "Co-Labs". Why such delays to implement something that all three entities want and need? The sheer transformative effort is so overwhelming that it causes temporary paralysis within the minds of those who must move in that direction. The designers, architects, and engineers of ADL and SCORM are not those that must deploy it. The labor must be performed by dedicated content creators and managers. It is an enormous undertaking to transform content from its aggregate state to one that resembles its basic decomposed building blocks.

Of the concrete aspects of SCORM, content creation and management are the most pivotal. Similar to the vast technologies that make the Internet function, SCORM serves to make content available. Without the content, the underlying infrastructure becomes worthless. The *ADL Overview* outlines functional requirements that must be present in order to take full advantage of the collaborative effort that such an endeavor inherently provides. The major functionalities discussed were accessibility, adaptability, affordability, durability, interoperability, and reusability (ADL Overview, 2003). Any one of the aforementioned functionalities is fertile ground for further research and development. Similarly, the interdependence of the many facets cannot be overstated.

With the functional requirements stated and understood, there must be a focal point from which to facilitate dialogue amongst content creators. Of the three stakeholders, academia will perhaps have the most difficult task of transformation. The authors (professors) must see value in the transformation. Most professors see value in their teaching, not in creating content (publishing notwithstanding). The value lies in their ability to impart knowledge and wisdom from their experiences that breathe life into the abstract and theoretical.

Content creators such as professors may not be interested or sufficiently enticed to embrace learning new technology such as new authoring tools. Software packages such as Outstart's Evolution that provide content creation and management tools better serve the needs of content creators within a training environment. These same tools are not as suitable for academia. The political climate is more complicated within the halls of knowledge when one analyzes the many personalities that must work together to agree upon the delivery of content.

D. REUSABLE LEARNING AND INFORMATION OBJECTS

At the core of the SCORM reside Reusable Learning Objects (RLO) comprised of various types of Reusable Information Objects (RIO). Analysis of Sharable Content Objects (SCO) can be likened to the breakdown of matter to its atomic level, where the matter is the Reusable Learning Object (RLO) and RIOs are the basic building blocks that comprise it. It can be argued that subatomic components may also serve to define a SCO. However, such a degree of granularity does not truly serve any meaningful

purpose because it removes all contexts from the presentation. It would be similar to a sentence lifted out of an entire chapter. It may be able to stand by itself but lacks true support and enforcement by other pieces of information surrounding it.

1. Reusable Learning Objects

Reusable Learning Objects facilitate content sharing by allowing only one singular learning objective to be present at any one time. RLOs must contain five elements: overview, pretest, lesson, summary, and quiz. The overview section is comprised of six subsections: introduction, importance, objective, prerequisite, scenario, and outline. The pretest contains questions relating to each RIO. The lesson is made up of the various types of RLOs. The summary offers a review and suggests next steps as well as offers additional resources. Lastly, the quiz mimics the pretest by addressing and evaluating key points that should have been understood or mastered.

2. Reusable Information Objects

The Naval Education and Training Center defines a RIO as a “small ‘chunk’ of subject matter that is based on one single supporting learning objective” (NET-PDTC, 2003). A RIO concentrates on a particular subject. Moreover, the design and construction of the material should allow it to be self-supporting. Content specificity and the desired learning objective define the type of RIO employed to convey the ideas accurately. Meeting the above-mentioned criterion facilitates the RIO’s reuse.

The RLO and its context will define the most appropriate type of RIO. The diversity of RLOs can be traced to the variety of information types that currently exist in academia and training institutions. The current system classifies RLOs into five distinct categories: concept, fact, procedure, process, and principle. Again, the content will define the most appropriate type to be used. To understand the differences, a basic definition of each type of RIO is in order at this point.

- A concept is a “mental representation or prototype of objects or ideas for which multiple specific examples exist.”
- A fact is “something with real and demonstrable existence in which every instance is identical to the other.”
- A procedure RIO is one with a “sequential set of steps” in which the completion of the “steps result in accomplishment of a task.” The

directions for a procedure are to be “followed by one individual” and are “done more or less the same way each time.”

- A process RIO is a “series of actions, changes, or functions that achieve an end result” in which it “tells how something works or how something is best done.” A process “may involve many people or an entire organization” but definitely requires more than one individual’s participation.
- A principle RIO is a “task for which there are no specific steps but requires that application of guidelines, rules, laws, or policies to a situation which is subject to change.” (NET-PDTC, 2003)

The breakdown of content does not stop at RIOs, but continues further within it. RIOs are comprised of five distinct elements—three obligatory and two optional. The three required elements are content items, practice items, and assessment items, including pretests and quizzes. The two optional items are interaction and review items (NET-PDTC, 2003).

E. EDUCATION VERSUS TRAINING ENVIRONMENTS

The level of specificity that a RIO demands is not useful in an educational environment. A RIO’s true value can be best seen in a training environment where finer and finer granularity provides greater proficiency in understanding of equipment or needed skills. Education, on the other hand, serves to familiarize and strives to produce a certain level of intimacy with concepts and theories. Educational material all too often encompasses many different types of RIOs in one topic. To attempt to dissect and extract each type of RIO out of a course would leave the RIO bereft of any true meaning or context. Moreover, the demand that it places upon the professor to attempt to divide and subdivide content becomes too laborious to see any real advantage.

For example, the intent of a topic such as a Local Area Network (LAN) within a textbook dealing with computer networks is somewhat limited in its scope. The limitation is that it must cover all facets of the network. It cannot and will not enable a student that completes to course to erect a network and administer it. Functions such as operating and administering proprietary hardware, software, routers, switches, and security protocols all require specialized training to address expertly the many problems and issues that arise in each field. The scope within academia cannot be as ambitious as

to attempt to offer proficiency in each area. Such a level of familiarity and intimacy can only be gained through technical training.

In the training environment, there is a much easier consensus gained in how to best familiarize trainees and later test their proficiency with certain skill sets. Testing within an educational environment is often subjective, taking the forms of projects and papers that evaluate a student's understanding of a certain subject matter. In a training context, evaluation can be quite objective in that the skill can be demonstrated and witnessed. Its evaluation is quite binary: a trainee is either capable of performing the task or is not.

F. ACADEMIC REUSABLE OBJECTS CONTENT MANAGEMENT SYSTEM

This concept prototype offers an education-specific template for RIO and RLO within academia. It does so without the demand for extra-fine granularity in subsections. One need only refer to a book to see that chapters, sections, and subsections are intentionally devised in a manner to allow introduction and familiarity with topics. User manuals, on the other hand, focus on systematic instructions on how to accomplish a task or acquire a skill. In an academic environment, a student should learn critical thinking skills and an understanding of the architecture and design of a technology. To facilitate knowledge in academia, it is imperative to devise a plan that affords ease of information sharing.

A Content Management System (CMS) offers the ability to share content. A CMS such as Blackboard offers considerable functionality. Unfortunately, it does not currently offer dynamic content management. More often than not, it is used as a static repository for disparate content. Currently, content ranging from simple text to graphics, spreadsheets, animation, movies, and much more may be found within Blackboard. The content is inserted by authorized users such as professors, administrators, and educational technicians. The modification and deletion of such content is also the responsibility of the authors or technicians at the behest of the authors / professors. The content is stored without any real means of categorization. There are such compartments as course numbers and titles under which content may be placed. However, how does a professor or a student find the material once it is uploaded into the CMS? Only by manually

searching through all of the content can people find that for which they are searching. A dynamic content management system not only allows content insertion, modification, and deletion, but also content retrieval. Once content has been organized into atomic levels, it can later be easily imported into repositories such as Evolution and Blackboard. This thesis serves to provide a concept prototype of how such a process should and can work.

G. RESEARCH QUESTIONS

- From the current standards set forth by the Advanced Distributed Learning (ADL) office, is SCORM the most suitable model for higher education?
- Will SCORM technology prove of greater utility within the Navy Education or Training environment?
- In their effort to share information, would higher education institutions benefit more from a Content Management System rather than a Learning Management System?

H. SUMMARY

The following chapters will address the limitations of SCORM, provide a comparison of the applicability of SCORM within Navy Education and Training as separate entities, and provide a concept prototype of a Content Management System for institutions of higher learning.

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II. ADVANCED DISTRIBUTED LEARNING

A. INTRODUCTION

A thorough comprehension of the genesis of the Sharable Content Object Reference Model (SCORM) depends upon a better understanding of its parent initiative. In 1999, three years after introducing the Advanced Distributed Learning (ADL) initiative, Congress instructed the Department of Defense (DoD) to pay greater attention to the utilization of technology in its deployment of education and training materials. The original concept called for tailored and individualized education and training. Individualized training, in its purest sense, can never be a reality. An alternative is material tailored for individual communities that share a need for common education and training.

B. HISTORY

Advanced Distributed Learning does not call for bachelor's or master's degree-level "anytime-anywhere" education. Rather, it calls for individualized learning for soldiers and sailors. Perceptions of a lack of training or readiness among Reserve Component (RC) forces during the Persian Gulf War of 1991 prompted the ADL initiative in 1996. General Accounting Office (GAO) studies and testimony from military sources added to the belief that RC units required additional access to education and training opportunities to achieve a greater degree of readiness than was judged available during Operation Desert Storm (W. Cohen, 1999).

Military schools cost the DoD more than \$17 billion per year (GAO-03-393, 2003). As part of their expenditures on training for military personnel, the DoD has invested in several different learning management systems (LMSs), which are nearly identical yet incompatible, and there are considerable benefits in developing ways to share courses among them. Over 3 million military and civilians attend 30,000 courses, which last from days to months. It is imperative to cut costs while maintaining delivery of education and training to the millions that depend upon it to fight wars or support the soldiers and sailors that are actively engaged in battle.

C. LEGISLATION

The Secretary of Defense first introduced ADL as an initiative in 1996 during the Quadrennial Defense Review (QDR). Section 378 of Public Law 105-261, the Strom Thurmond National Defense Authorization Act for Fiscal Year 1999, obligated the Secretary of Defense to design and implement measures that expanded upon distance learning measures. Though Section 378 discusses collaborative efforts with industry and other government agencies, it specifically focuses on the DoD (GAO-03-393, 2003). Executive Order 13111, *Using Technology to Improve Training Opportunities for Federal Government Employees*, established 12 January 1999, orders the Department of Defense to lead the way in shaping the future standards of learning technology. It not only serves to address the needs of soldiers and sailors today, but also charges the DoD with forecasting future training needs.

D. NEW AND IMPROVED ADL

Advanced Distributed Learning is instruction that does not require an instructor's presence, can use more than one media (text, images, audio, video, etc.), and emphasizes the use of reusable content, networks, and learning management systems. The DoD demanded that the technology enable a more 'learner-centric' system to expand and complement legacy systems (GAO-03-393, 2003). This system should move away from a "factory model" such as large education and training institutions to a network-centric "information-age model" which incorporates a shift from "right-time, right-place" to "anytime-anywhere" learning. This transition became necessary in line with the DoD's focus on multi-Service, joint, interagency, and coalition war fighting. It became obvious that all future wars would be fought as a collective, and no longer would any single Service branch be able to move and act independently of the others. To embody the very spirit of a network-centric war-fighting machine, the Armed Forces needed to educate and train its service members in the same manner in which it fought its wars – as one cohesive unit. By learning as one, they could fight as one. Learning as one required standardized instructional material shareable and understandable among all services.

E. THE “-ILITIES”

After conceiving and articulating the basic idea of standardization, ADL defined parameters to gauge instructional materials suitable for the new teaching and learning environment:

- **Accessibility** - Ability to access instruction from one remote location and deliver it to many other locations, and training and technology reach-back for deployed soldiers.
- **Interoperability** - Ability to use instructional components developed at one location in another location, or by more than one service - in other words, between all advanced distributed learning and instructional platforms, media, and tools.
- **Durability** - Ability to continue using instructional components without redesign or recoding when base technology changes.
- **Reusability** - Ability to design instructional components for incorporation into multiple applications.
- **Affordability** - Ability to reduce instruction time, number of students per course at a resident schoolhouse and education infrastructure cost. Moreover, provide significant increases in learning and readiness per net increment in time or cost. (ADL Overview, 2003)

F. ELEMENTS FOR SUCCESS

For the ADL initiative to survive and flourish into its envisioned state, some common elements are necessary:

- *Common industry standards and interoperable tools and content:* The DoD must work with academia and industry to define standards by which to encourage interoperability and compatibility without sacrificing quality.
- *Robust and dynamic network infrastructure for distribution:* The network in which the data is stored and transmitted must be Joint Technical Architecture (JTA)-compliant to allow building upon a common infrastructure.
- *Supporting resources:* Design current material to allow ease in sharing.
- *Cultural change at all levels of command, recognizing that learning is an official requirement of the duty day:* Change the perception that learning which

enhances the readiness of the Department personnel is an additional or a personal-time responsibility for DoD employees.

Of all the necessary factors, the last element, requiring cultural change, will be the most difficult. The cultural differences amongst the different branches notwithstanding, far too many see education as a luxury and not a necessity. Training, on the other hand, is mandatory and enjoys a unique priority within the military. If service members desire to obtain a baccalaureate or master's degree, they must do so on their own. This is not to say that the Services do not have opportunities for higher education - they most certainly do. The vast majority who do not know about such programs, or do not apply, or do not meet eligibility requirements, must pursue education on their own time and occasionally with their own funding. To change the culture and make education as mandatory as training will take even greater effort and money to implement.

G. CHALLENGES AND OBSTACLES

The very elements that would bring ADL to fruition are the same that inhibit its complete realization. Nevertheless, the problem is not merely with ADL, but the overriding mentality of the military and that of the Department of Defense. Financial, technological, cultural, and policy obstacles stand in ADL's way as they have in many other endeavors. Financially, projections place the program approximately \$600 million over budget by 2007. Technologically, the development, fielding of, and access to military skills-related content is more difficult and costly than anticipated. Bandwidth issues and unresolved network security concerns stifle utility (GAO-03-393, 2003).

Culturally, it is difficult for senior leadership to make the change from traditional school settings to virtual classrooms as the preferred method of teaching and learning. Moreover, some leaders in charge of traditional schools are reluctant to close classes that directly affect their overall financial well-being, as budgetary allotment is usually contingent upon the number of students physically in attendance (Granado, 2003). It may not be obvious that there still exists a vast majority of older military and civilians within the DoD who have not yet fully embraced computer technology and thus have limited literacy in the arena. Lastly, there is currently no policy that clearly outlines ADL's use

in lieu of, or in conjunction with, other military services' training regulations (GAO-03-393, 2003).

1. Army

The Army points to cultural, technological, regulatory, and financial obstacles as the primary challenges with ADL implementation. Factors such as computer literacy, users' ages, schoolhouse reluctance to change, and lack of senior leadership support contribute to the cultural obstacle. Technologically, in addition to contracting difficulties, courseware is developed and fielded at a slower pace than expected. Good military occupational skill-related content is important to program success, but there is little available because it is more complicated to develop than once anticipated. Regulations have been slow to change in its incorporation of ADL. Lastly, funding does not facilitate meeting requirements. (GAO-03-393, 2003)

2. Navy

The challenges that have befallen the Navy are concentrated within the arenas of technology and finance. Their technological adversities relate closely to the slow progress in course conversion and LMS implementation. Moreover, there are bandwidth limitations for deployed units in addition to upgrade limitations in small ship communications infrastructure. Financially, there is limited funding for course development as well as hardware in the classrooms to run content since NMCI hardware is inadequate for executing all web based training course content. Lastly, the anticipated return on investment (ROI) savings are notably less than anticipated life cycle costs because of the significant up-front costs that are required to achieve life-cycle costs. (GAO-03-393, 2003)

3. Marine Corps

The Marines' challenges are cultural, technological, and financial. Limited experience with distance learning, lack of incentives for pursuing distance learning as well as reluctance from schoolhouses all compound the issue of culture. In the past, technologically, the Marines' network firewalls made access quite complicated if not impossible. Now, as part of the NMCI, they suffer from the same maladies as the Navy with regards to technology. Moreover, course conversion processes require greater

investment of time than anticipated. Financially, the program requires an enormous up-front cost to realize long-term ROI. (GAO-03-393, 2003)

4 . Air Force

The Air Force faces challenges similar to those of the Marine Corps. Cultural change is omnipresent. Limitations in bandwidth, slow course conversion, and lack of standardized “just-in-time” ADL applications all add to the technological obstacles for the Air Force. Lastly, funding has not kept pace with ADL’s goals and objectives. (GAO-03-393, 2003)

H. CONCLUSION

DoD’s original design for ADL did not envision a complete overhaul of the education and training model. Its desire was to enable the widest dissemination and sharing of the greatest amount of information and learning as practicable. In this effort, the quantity and quality of the education and training materials were not to suffer at the hands of technology or the need for wider distribution. Along the way, ADL has been met with technological, cultural, financial and policy/regulatory difficulties. Having this understanding of the vision behind ADL will allow a deeper understanding of the military’s expectations regarding education and training in the next decade. Moreover, this chapter suggests the military’s perspective on some of the differences between education and training discussed later in this thesis.

III. LIMITATIONS OF SCORM

A. INTRODUCTION

The Sharable Content Object Reference Model (SCORM) was one answer to the Advanced Distributed Learning's (ADL) call for standardization. It has many limitations in need of remedy. One limitation, experts argue, is that SCORM's cookie-cutter approach does not furnish a template applicable to every organization that produces educational material.

B. THE OBJECTS OF SCORM

SCORM outlines a set of standards by which instructional designers may produce sharable learning objects. These objects are the smallest pieces of instruction dissectible from the whole. Once separated into pieces, these pieces are intended to fit with other pieces from other wholes to make up an entirely new entity. While SCORM invites comparisons to Lego building blocks, this thesis would offer that it behaves more like a Frankenstein creation: combine a few pieces from here with a few pieces from there, and hope that it lives and breathes. Are disparate pieces necessarily as accurate and effective as the whole from whence it came, or are they a "hotchpotch of ill-matched content where the learner has to work out the contextual relations"? (Bohl, 2002)

In essence, the instructional quality and worth of what actually runs on a SCORM-compliant system is suspect. Leading figures in SCORM development echo these sentiments, among them Thor Anderson, director of developer support at the Instructional Management System (IMS) Global Learning Consortium and technical editor of two major specifications that went into SCORM. He strongly asserts that "the interoperability that existing specifications promote is just plumbing, and the specifications don't care about the quality of what goes into the pipes. It could be spring water, or it could be sewage." (Welsch, 2002)

The "sewage" to which Anderson is referring is a byproduct of a vague concept called a Reusable Learning Object (RLO). Various organizations may agree upon a definition that would attempt to qualify a RLO as the smallest piece of instructional material. David Merrill, an instructional systems design expert at the Utah State

University of Instructional Technology, points out an obtuse definition that further attests to the vague nature of the beast: “as small as a drop, as wide as the ocean.” In other words, if everything is a learning object, then nothing is a learning object” (Welsch, 2002).

C. “SCORM IS NOT FOR EVERYONE”

Dan Rehak, of Carnegie Mellon University’s Learning Systems Architecture Lab, is a well-known figure in the ADL and SCORM arenas, and thus intimately aware of SCORM’s limitations. In addition, he is one of the primary architects of the SCORM initiative. The Center for Education Technology Interoperability Standards (CETIS) has understood that SCORM may not be applicable or appropriate for colleges and universities. Mr. Rehak said that “SCORM is essentially about a single-learner, self-paced and self-directed. It has a limited pedagogical model unsuited for some environments.” CETIS’s article further points out that because DoD was the primary consumer, SCORM’s design was intended for their specific *training* needs, defined as “training for specific systems and situations by people who are not generally in full time education.” It satisfactorily fulfills this requirement; however, according to Rehak and CETIS, “SCORM has nothing in it about collaboration. This makes it inappropriate for use in HE (Higher Education) and K-12. The lack of specificity of purpose within the educational environment makes SCORM a less likely fit, whereas the training environment with its predefined purposes may fully benefit from such an initiative.” (Kraan, 2002)

D. SEARCHING FOR THE FRUITS OF LABOR

SCORM is one solution to the ADL initiative. However, it is not the only solution. SCORM represents a considerable investment of effort, time, and money, and its proponents feel that it would be a shame not to see the fruits of their labor. Every organization has had failed projects. It is more important to learn from mistakes and not repeat them, rather than foolishly pour more resources into a product or a specific direction of a project when the end is uncertain. Human fallibility and ego prevent most individuals from realizing when it is indeed time to change course and write off these sunk costs. Real options theory teaches managers to place mechanisms within various stages of a project to allow managers and decision makers to cease and desist as opposed

to continue on a fruitless path (Trigeorgis, 1996). SCORM is undoubtedly a major boon to the training environment. It is not so for the academic arena. ADL's communications officer, Mark Oehlert, asserted that "The point is that we would be hurting our own efforts if we tried to move SCORM in a direction that would cause those that have invested a great deal to implement to have to throw everything away and start over."(Kraan, 2002)

E. LACK OF ARCHITECTURE

Architecture, as a concept and tool, provides for the intentional design and construction of an object. In this case, SCORM is the object under construction. However, even with that blueprint, SCORM's design and implementation details are unclear. To use euphemisms such as 'evolve' to connote indefinite iterations of a product do not inspire confidence. "The extensive cataloguing by means of metadata is an obstacle for developers and vendors because existing content has to be provided with metadata to be SCORM compliant" (Bohl, 2002). An argument against SCORM in an academic environment is that once material is converted through this arduous process into SCORM-compliant formats, instructors and instructional technicians should expect that it will be durable as advertised. Unfortunately, even ADL is not quite certain about the future of the newest version of SCORM. Oehlert pointed out that "what SCORM 2.0 will end up being is not exactly clear at this point. The plan is to evolve SCORM to ensure that it is as useful as possible to the ADL community" (Bohl, 2002).

F. ENTERPRISE-WIDE DISTRIBUTED LEARNING COMPLICATIONS

The goal of the ADL initiative was to enable the sharing of content across all levels and organizations within the federal government to include the Department of Defense. It was DoD's desire to reduce the cost of the disparate and overlapping LMSs, but it could not have foreseen the complexity in actually implementing SCORM across an enterprise-wide distributed learning system (E. Cohen, 2002). DoD's composition of varied and distinct military branches and equally varied and distinct information management systems would suggest that it is an unlikely candidate for SCORM. The military is one of the world's most protective organizations concerning information access, highly particular about who may gain access and what information is accessible. Moreover, access to each of these disparate systems is restricted to certain sources. They

have conflicting and overlapping firewall restrictions and multiple local and wide area networks (Englebrecht, 2003). Figure 1 provides an example illustrating these restrictions. While the intent of ADL was to enable content sharing whereby Marines undergoing tank training at Quantico could access the same training material used by soldiers at the U.S. Army Tank School at Fort Knox, incompatibility across domains actually thwarts this effort.

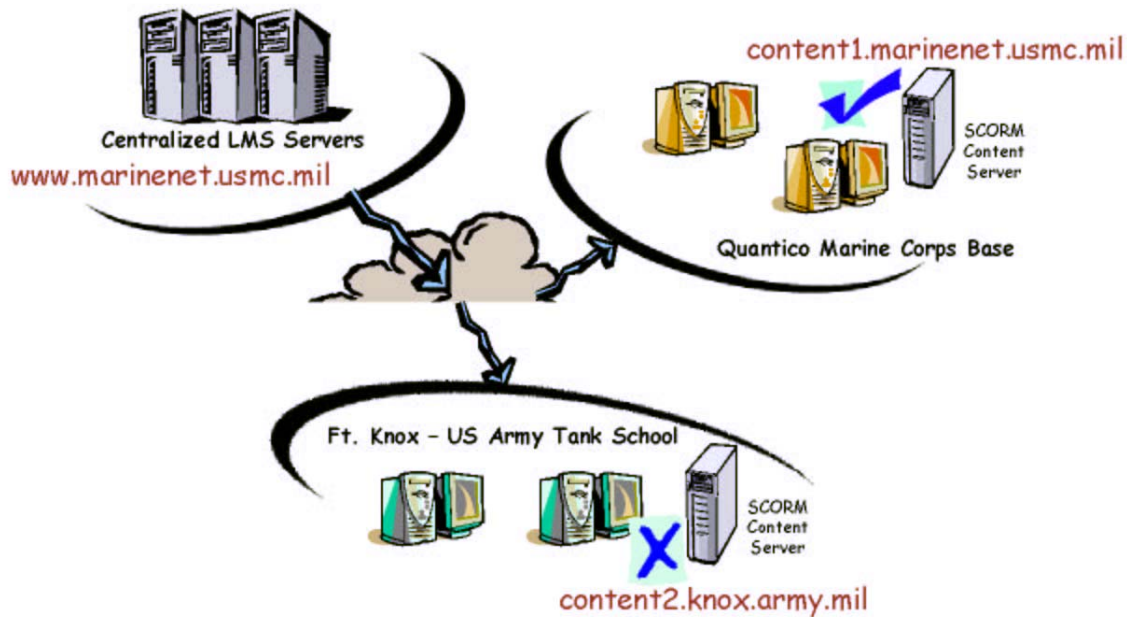


Figure 1. Illustration of SCORM Incompatibility in Enterprise System
(From Ref. Englebrecht, 2003)

Firewalls are not the only hurdles that SCORM must overcome. Another complication occurs when accessing or launching SCORM-compliant courses. SCORM employs an Application Program Interface (API) to communicate with a compliant Learning Management System (LMS). In addition, SCORM does not permit the use of HACP1 because it is based upon the Hyper Text Transport Protocol (HTTP). API uses Java Scripts to handle all communication between the course content and the LMS. The use of Java Script allows easier course development since most of the direct interfacing with the LMS database abstracts to a set of Java Script functions (Englebrecht, 2003).

¹ HTTP AICC (Aviation Industry CBT Committee) Communication Protocol

1. Application Program Interface

Within this model, the first step for a SCORM-compliant course will be to find the API so that it may communicate with the LMS. While this step may appear straightforward, it is actually much more convoluted. The confusion arises when one considers the source and location of the code. The function that calls to find the API and the execution of the individual functions contained within the API are the responsibility of the individual SCOs; however, the source of the API is the LMS, as shown in Figure 2. Upon launch from the LMS, the LMS must maintain a web browser window or frame that contains the API and the SCO must be capable of locating and including the API functions as if the functions were a part of the content. Theoretically, the two should reside on the same domain. If this is the case, then there is absolutely no problem. However, in practice this is seldom the case. If the content is not on the same domain as the LMS, security policies will not allow the content to call upon the API, thereby disabling the entire process and rendering the learning object worthless and useless.

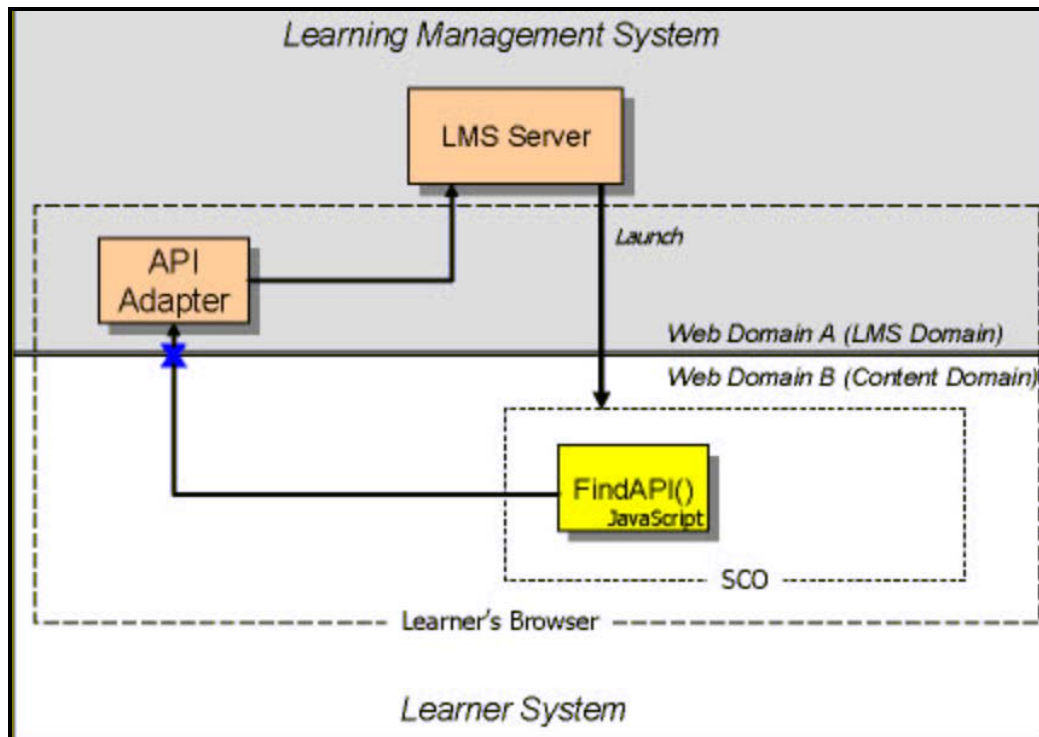


Figure 2. Cross-Domain Problem in SCORM
(From Ref. Englebrecht, 2003)

2. Sandboxing versus Code Signing

A browser, without the knowledge or consent of the user, may call upon malicious code hidden within web pages. Two means of reducing or eliminating this risk are sandboxing and code signing. Sandboxing employs Java, which does not allow the unidentified code to function outside the parameters of the program. This also serves to limit its interaction and interference with other processes or programs. This method does not require user input.

Code signing, on the other hand, uses ActiveX and places the burden of code validation upon the user. If the user can authenticate it, it may run. No systems security officer would allow such a rule. Such authentication requires that the user understand the purpose of the code. All too often, the greatest threats to computer systems are the users who do not understand their own actions and cause security breaches through their negligence. Thus, this model is not well suited for the DoD environment. Sandboxing is the only clear alternative. Unfortunately, that means that all the necessary code that a SCORM-compliant course requires must reside on one single domain or sandbox.

1. DoD's Mobile Code Policy

DoD's mobile code policy disallows the importing of code from outside domains to run objects within its domains (DoD CIO Memorandum, 2000). The firewall controls prohibit courseware from crossing the predefined firewall boundaries, a rational measure for any organization. However, DoD goes one step further and restricts the use of web technologies such as Java, JavaScript, ActiveX, Macromedia Shockwave, Macromedia Flash, and most other client-side programming technologies. These technologies are grouped into one of three categories. Categories 1 and 2 allow the running of code only from trusted sources. Category 3, on the other hand, contains a great deal of the applications that provide the rich interactive environment for a truly engaging and worthwhile learning experience. To avoid violating this policy, each command would require its own LMS (Englebrecht, 2003). Another more cost-effective method may be the creation of a central LMS, such as Navy Knowledge Online, but this would only address content developed and maintained by the Navy. As a result, yet another measure must address the education and training content developed and maintained by other

branches. If there were one central area for everyone, the gargantuan task of maintaining currency of content would be incredible, and perhaps insurmountable, inevitably leading to outdated and inaccurate information.

G. CONCLUSION

SCORM has many issues in the area of architecture (enterprise-wide implementation), clearer definition of its Objects, as well as its limited applicability to certain types of educational material. The purpose of this chapter was to illustrate that the needs of higher education cannot be met by SCORM. The relationship of this chapter to the remaining paper is that it provides for a transition from thinking that SCORM is the panacea for information categorization and sharing. Indeed, it is not.

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IV. EDUCATION VERSUS TRAINING

A. INTRODUCTION

The terms “education” and “training” are frequently used interchangeably without considering their actual dissimilarities. The military especially often treats the terms as synonyms, despite the fact that each concept requires a different approach. This chapter clarifies the distinction between education and training, in addition to illustrating the applicability of SCORM to each.

B. ADL’S VISION OF LEARNING

Learning is the bridge from information to understanding. It is most effective when coupled with experience; it leads to changes in thinking and behavior; it requires time for reflection and integration. Information superiority of the future will be the gathering, processing, fusion, and dissemination of more accurate and timely information and knowledge, anywhere, anytime, every time. The forces must continuously learn, simulate, and rehearse, whether in school, at home station, at home, en route to, or in the theater of operations. The forces must fight in a coordinated and cooperative fashion on a moment’s notice. (W. Cohen, 1999)

According to Rehak, “SCORM is essentially about a single-learner, self-paced and self-directed. It has a limited pedagogical model unsuited for some environments” (Kraan, 2002). One such environment may be higher education, the domain of colleges and universities. The “right-time, right-place” theory cannot truly apply to higher education. Higher education requires deliberate coordination and management of time and resources, as well as sufficient guidance. The idea that individual learners may direct themselves through two years’ worth of associate’s degree requirements, four years’ worth of baccalaureate degree requirements, or six years of master’s degree requirements makes “right-time, right-place” for higher education fallacious by any stretch of the imagination. Among the many differences between education and training discussed here is the time span involved for each. Degree-level education represents too much information to be grasped and immediately used in a brief amount of time. Conversely, training can take place over a few months, weeks, or even days, with the intent that the

achieved objectives may immediately be put into practice. It cannot be argued that learning encompasses the areas of education, training and performance aiding. However, the approach taken to deliver the necessary information in each category varies.

The 106th Congressional Report “Total Force Integration” points out that America’s military forces have a long tradition and well-deserved reputation of providing world-class education and training (W. Cohen, 1999). The report also indicates the mechanism delivering this education and training is in need of reevaluation to keep pace with educational technology. The overwhelming success of Operation Desert Storm was attributed to highly educated and trained service members. It was also noted, however, that many of these warriors trained in the same classrooms that prepared their grandfathers for World War II, which suggests military training and education treads a fine line between the tried-and-true and the outdated. The argument in favor of a paradigm shift in education and training is a response to the current conditions of increasingly demanding deployment criteria coupled with other time-sensitive constraints.

The singular element that supposedly necessitates the paradigm shift in learning is the pace with which new technologies and weapons systems are introduced. Advancements in technology invariably introduce greater complexity in modern weapons systems. Learning a weapons system or any other system requires training in a specific area of that system. It would be far-fetched to require or expect one person to have the requisite knowledge and skill do everything on an entire system. The person trained to use it is often not the same person trained to maintain and repair it. The person who designed it is usually not the one that built it. The complexities of modern military systems make it difficult to find that sole genius who can do it all. This poses the question: is the dictated paradigm shift intended for education, for training, or for both? (W. Cohen, 1999)

C. WHAT IS THE DIFFERENCE?

Education and training may have some elements in common, but they are distinctly different. Each requires a specific teaching methodology and objective. In some instances, education may be the most suitable method, while other instances may

call for training, and still other cases involve a balance of both education and training. Consider the differences in a parent's response if a teenager announced that her high school was offering a sex *education* course versus a sex *training* course. The parent's response would be markedly different. Drivers "education" is actually an example of education and training working hand-in-hand: prospective drivers should have the benefit of both education about theories and concepts as well as behind-the-wheel training to put these ideas into practice. Likewise, a person who wants to learn to fly must spend many hours in "ground school" before being allowed aboard the plane, yet the prospective pilot must also log many hours of flight training before being granted a license.

Teaching styles vary for education and training. A teacher educates people about the principles or rationale behind a particular policy, program, or process. Education is designed to foster individual creativity, ownership, or empowerment. Education targets thought processes directly and might indirectly influence what people do. Training, in contrast, targets behavior directly and might indirectly influence thought processes (Geller, 2000).

Education is generally measured by duration: days spent in a seminar or four years in college. Training, on the other hand, is measured by what one can do when it has been completed. Training is doing. Training improves performance. For training to work, it must have defined and measurable objectives (Cross, 1996). Education does not have such predefined measures of mastery.

D. MILITARY EDUCATION OR MILITARY TRAINING

The DoD and much of industry tend to focus more on training than education. It is important to differentiate between these two terms. Because they both involve learning, they are similar, and in everyday conversation the terms are often used interchangeably. However, they are not the same. The Random House Webster's Dictionary (1999) defines training as "activity leading to skilled behavior," while education is "the gradual process of acquiring knowledge."

Learning is often classified into three domains: psychomotor (doing), cognitive (thinking), and affective (feeling). Training emphasizes the psychomotor domain of learning, targeting behavior directly, while education concentrates on the cognitive

domain, targeting thought processes directly. Education aims for high comprehension, while training done in the cognitive domain usually focuses on general knowledge. (Kline, 1985)

Training is concerned with meeting criterion objectives, where a student is expected to exhibit specific behavior in accordance with a predetermined level or standard (e.g., “List the steps for administering CPR.”). Verification of skills learned is best achieved through demonstration in the “real world,” perhaps through a simulated experience (Kurtus, 1999). Cognitive objectives, involving a student’s ability to analyze, evaluate and apply information, are more appropriate for education. Testing in education usually concerns the memorization of facts, events and principles, and the association between concepts.

Training is a closed system, where the trained individual is recognized as knowing the “right answers” or doing things the “approved way” (Kline, 1985). Thus, the work of each trainee is expected to have a uniform quality. Education, however, is an open system. There is no limit to how well a graduate may be prepared to handle new responsibilities. In the Navy, this difference translates to cost-effectiveness. While an education provider would not be concerned with overeducating a student, a training provider would consider overtraining cost-ineffective (Granado, 2003).

Since students are encouraged to develop to their full potential, education is not bounded by constraints of job requirements, skill levels, or objectives, as they are with training. Time requirements for training can vary depending on the aptitude, experience and skill level of the student, while in education time is often a constant (four years, 45 quarter units, etc.), and therefore specified.

The development of curricula is different for education than for training. A task analysis can determine a complete listing of skills and knowledge necessary for a trainee to demonstrate competence. In contrast, educators must often look to experts to determine what needs to be taught. With a universe full of ideas, it is often hard to reach a consensus. This lack of exactness is observed when comparing the curricula of two similar disciplines at two different schools.

A prevailing concept in the field of instructional design concerns the interaction between three major entities in a typical learning environment: the textbook/learning materials and other documents, the instructors, and the students (DLRC interview, 2004). Each of these interacts with the other (Student \leftrightarrow Instructor, Student \leftrightarrow Textbook) and with themselves (Student \leftrightarrow Student). Where training is concerned, the most important interaction is usually Student \leftrightarrow Text, followed by Student \leftrightarrow Teacher. Student \leftrightarrow Student interaction is rarely emphasized in training environments. However, in education, Student \leftrightarrow Student becomes a high priority—perhaps the highest. Distributed learning training environments, in addition to a lack of Student \leftrightarrow Student interaction, may often lack Student \leftrightarrow Instructor interaction. This is especially true when using Computer-based training (CBT) materials and NETC GMT materials: the student only interacts with the material’s content.

In some cases, a strategic combination of training and education may be necessary to achieve an organization’s goals. An example would be in safety education and training. According to Geller (2000),

Safety education without follow-up training will not reap optimal benefits. Learning the theory or principles behind an intervention approach is crucial for customizing procedures for a particular work situation. But after the procedures are developed -- hopefully with input from an educated work team -- training is necessary. People need to know precisely what to do.

Distributed learning has been used to support both education and training in the public and private sectors. As the drive toward standards continues, with its emphasis on content reusability and interoperability, differences in the way content is delivered could be of greater benefit to training than education. In the training environment, emphasis is on what the trainee wants or needs to know rather than all that is known. For this reason, it is expected that the adaptation rate and utilization of SCORM-conformant learning objects will be higher at institutions focused on training (Granado). However, the ADL initiative addresses the use of reusable content for education as well as training. This has prompted considerable controversy from academia concerning the instructional soundness of “chunked” content.

E. INDIVIDUALIZED STANDARDIZED EDUCATION & TRAINING

ADL and SCORM have marketed their initiatives by promoting the idea of individualized and tailored content, standardized based upon predefined criteria. Both initiatives require standardization of content and delivery in order to achieve widespread acceptance. However, by definition content cannot be both individualized and standardized at the same time.

By forcing standardization of delivery, ADL and SCORM proponents are hoping to provide something for everyone. In response to user feedback, the latest version of SCORM incorporates better sequencing capabilities, allowing a user to ‘jump around’ as opposed to being confined to the sequence in which course material is presented. The learner can choose the method in which he wants to learn, via either concepts or examples or practice sessions. This does indeed support learners developing their own approach to learning. The caveat is, if they are ready (Cross, 2003). Learner-sequencing of the material will only be effective if the student has a clear goal in mind. Without a clear learning objective, the student may walk away with a jumble of ideas but not comprehension.

Because every person learns differently, standardization of material will not necessarily command standardization of learning. Recent research revealed thirty-one different ‘flavors’ or dimensions along which learners could differ with over two billion different possible configurations (Cross, 2003). Distance learning material and its delivery must be sensitive to and support the many ways in which students learn. Mark Twain said, “I will not let schooling get in the way of my education.” He must have known about the emerging standards that were outlined for SCORM.

The military sustains itself and its traditions by not allowing variety to encumber tradition, good order, and discipline. It is evident in their uniforms, their grooming standards, and their education and training. From boot camp on, service members are taught to learn the military way—a great deal of information in a very short amount of time. A fitting analogy for this approach is attempting to drink from a fire hose. If ADL is to succeed, the military must be re-trained and re-educated on new approaches to learning. What is happening, in essence, is an extension of the short-attention-span

philosophy of every other element in today's society. Because of short-fused deployment and lack of time, information must be prepared in a single-serve package for a specific purpose. There is insufficient time to add side dishes that may distract from the primary point. If a good education can be likened to a healthy diet, eliminating certain items from the normal diet may prove to be detrimental in the short term and cause malnourishment in the long term. Education requires a complete view, and all the food groups must be represented in order to have the full picture

F. CONCLUSION

This chapter examined the distinct differences between education and training. While education concerns itself with the gathering of facts, concepts, theories, events, and principles, training addresses the need for acquiring a specific skill. The following chapter will discuss the similarities and differences of Learning Management Systems (LMS) and Content Management Systems (CMS) to ascertain which may be most beneficial within either environment.

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V. CONTENT MANAGEMENT

A. INTRODUCTION

Because the content universe offers infinitely diverse material, a traditional Learning Management System (LMS) may not be the ultimate solution to content management. Learning Content Management Systems and Content Management Systems complement and sometimes even substitute for an LMS.

B. LEARNING CONTENT MANAGEMENT SYSTEM (LCMS)

A Learning Content Management System (LCMS), shown in Figure 3, is generally used to create content efficiently. This efficiency is realized when subject matter experts, professors, authors, or instructional designers use an LCMS to create ‘just-enough’ content to meet the needs of individuals or small groups of learners. This eliminates the need to design an entire course that is bogged down by too much detail in an attempt to provide something for everyone. Designers are given the artistic freedom to select the most relevant or necessary pieces to fulfill a specific objective. Evolution by Upstart is an example of an LCMS licensed to NPS.

The drawbacks to an LCMS are that it takes a great deal of foresight, planning, and skill to design effective learning objects—even when templates and examples are provided. Designers must think in a non-linear fashion and have a fair understanding of all the contexts in which an object might be needed or used. Some courses, such as those required for safety or certification programs, are required to cover a specific set of topics in a certain order and should not be broken apart. For example, if a learning object is taken out of context or presented with insufficient supporting information, it can do more harm than good (Greenberg, 2002).

C. LEARNING MANAGEMENT SYSTEM (LMS)

Learning Management Systems are designed to manage learning objectives on an organizational scale. This primary solution replaces isolated and fragmented learning programs with a systematic means of assessing and raising competency and performance levels throughout the organization. Such efforts as enterprise-wide skills assessment and

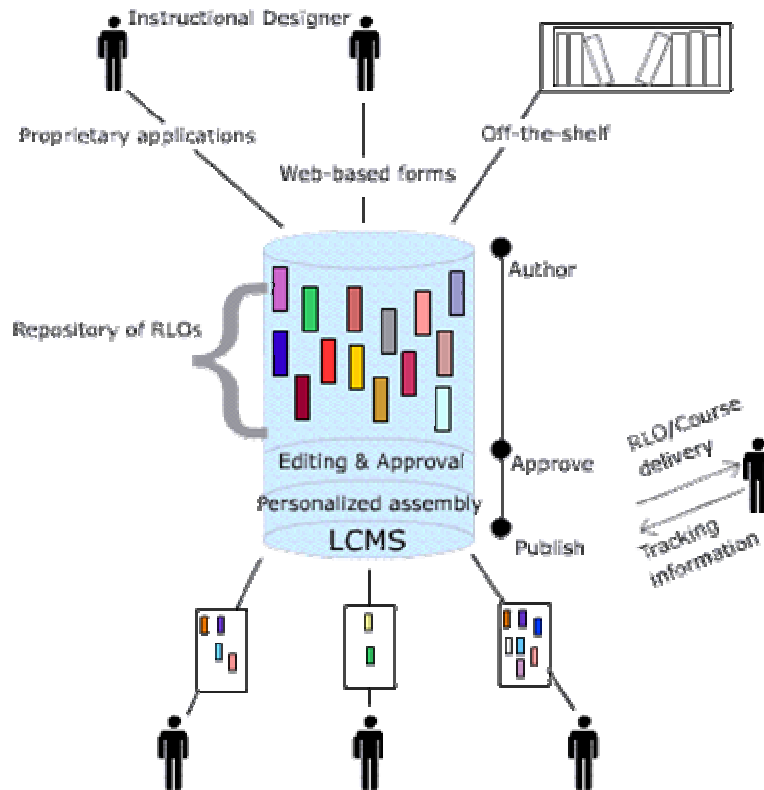


Figure 3. Learning Content Management System
(From Ref. Nichani, 2002)

certification can be orchestrated. The focus of an LMS is to manage learners, keeping track of their progress and performance across all types of training activities. It can also handle a great deal of the administrative overhead of record keeping (Greenberg). A graphical illustration of an LMS is provided in Figure 4.

NPS uses Blackboard as its enterprise-wide LMS, although not all professors take full advantage of all of its functionalities. Actual DL instructors, teaching fully remote classes, are more likely to utilize all of the functionality, but many campus instructors merely use Blackboard to put up their notes as a website. As a result, NPS's Blackboard system serves instead as a central repository for disparate sources of content. A possible reason for this is that students at NPS are not actually employees, thus their learning and training needs are addressed through other means. Blackboard, as an LMS, offers much functionality but does not foster or encourage institution-wide sharing. Content is statically housed within the many pages that must be created manually. Typically only those students enrolled in the class have ready access to the material, although instructors

do have the ability to allow non-students guest access to their material. Access to information is limited to manual searching via the navigation menu and a subsequent list of content. Moreover, it does not allow for dynamic searches of content.

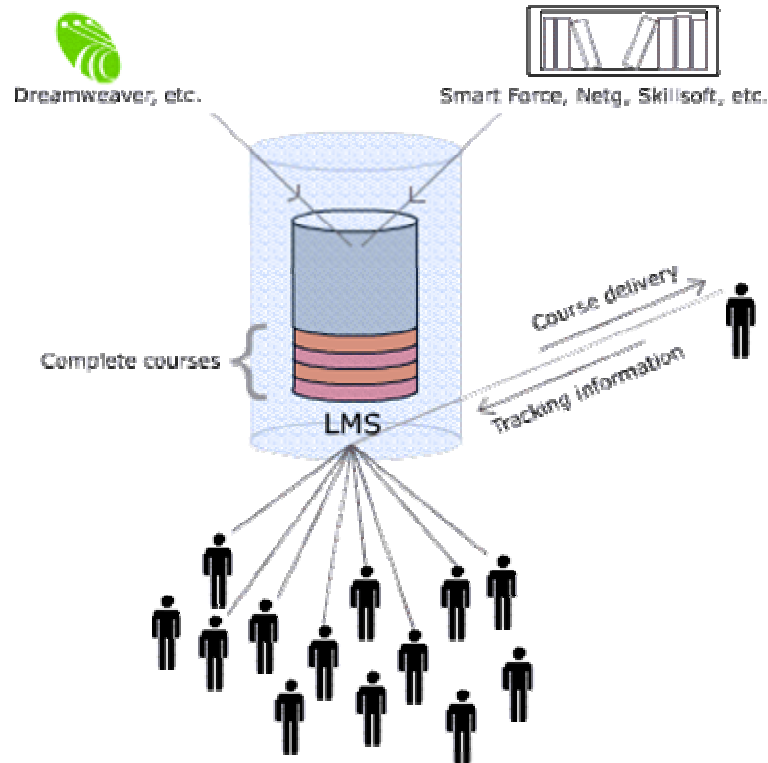


Figure 4. Learning Management System
(From Ref. Nichani, 2002)

D. CONTENT MANAGEMENT SYSTEM (CMS)

Familiarity with the basic features of an LMS as well as LCMS allows for a clearer understanding of a Content Management System (CMS), shown in Figure 5. A CMS allows content to be stored, retrieved, edited, updated, controlled, then output in a variety of ways (OIT, 2004) The primary objective of a CMS is the organization and administration of online material such as text, graphics, images, animations, audio/video files, etc. It manages the content, not its creation or its users. Rather than allowing aggregate and disorganized storage of content, a CMS allows efficient identification, compartmentalization, and retrieval of material (Nichani, 2001). The process of cataloguing and arranging content can be organization-specific. A CMS allows sharing of corporate knowledge housed within every member of the organization. Their

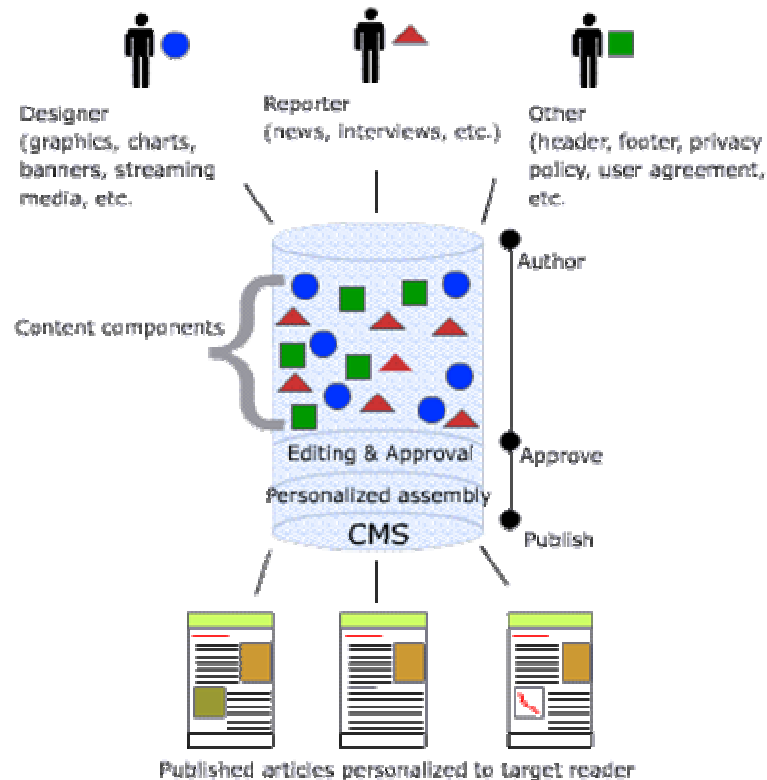


Figure 5. Content Management System
(From Ref. Nichani, 2002)

contributions allow for the widest dissemination possible via an organized delivery mechanism.

If a course were structured in such a manner that it does not lend itself to implementation within a Learning Management System (LMS), it would be a waste of resources to force it to fit. Although it cannot benefit from a full-scale LMS, such a course could be housed in and distributed by a Content Management System. These types of courses do not require an on-line mechanism to gauge student progress.

Though the proposed CMS focuses on the “pull” side of information access and retrieval, CMSs do have the capability to push information in a personalized manner. It can adeptly access every piece of information within the organization.

E. CHARITY BEGINS AT HOME

Professors at NPS have already accomplished the most tedious part of content management: content creation. Instructors have presentation slides, text documents, graphics, or animation for every class taught at NPS. Only by attending the course will a

person be aware of the content as presented by the professor. In many ways, a professor is the first line of defense in the war against information overload. The professor is intimately familiar with what is most pertinent and timely in a given field. Rather than students or users performing the initial litmus test, they can rely upon the expertise and discretion of the professor to guide them in a particular subject area. A professor's creation is not fully utilized when presented only to the intended audience of students. It can and does have wider application beyond the course being taught. It could be made available to the entire organization to reap the true value of the content. This is, of course, provided certain intellectual property issues are addressed.

This thesis also pointed out that organizational culture was a major obstacle. Professors are unwilling to give up their artistic freedom and perhaps their ownership of material that they have created. They cannot see the value of sharing because they have not had to work within an environment that mandated it. The redeeming factor of SCORM is its desire to create once and use often. As long as the material is up-to-date and accurate, it should be shared to the maximum extent possible. By touting the value of return on investment, people may be more apt to participate in this endeavor. At this stage, the real value of SCORM cannot be seen. Once professors find materials that complement their teaching, they will be more inclined to offer their works to other academics as well as accept materials from them. This currently occurs in distance learning courses around the globe whenever a professor places a hyperlink to an external source, such as a news article or website. The vision of SCORM's developers is that this academic commerce should take place in a controlled environment where the content has been created to specification.

F. POLITICS IN ACADEMIA

Often, managers and executives are looking for a return on investment before they commit themselves or risk any type of loss. At times, the upfront costs are too exorbitant and thus deter many from accepting new ventures. SCORM presents such a challenge. This thesis offers that it is possible to have an intermediary process to illustrate the value of sharing within such a politically charged environment as academia. There is no singular source of information in any given field of study upon which all professors agree. This is quite evident by the fact that although a similar course may be taught at

different institutions, or even at the same institution, the information presented to students and the learning objectives will vary from instructor to instructor. Professors undoubtedly, and rightly, feel that their selected material is that which reflects the most crucial elements to convey. They are recruited, hired, and retained for their knowledge and experiential wisdom in a given field. They are not as valued for their ability to create content. An educational specialist or technician can be paid a fraction of the professor's salary to create and compartmentalize content.

Before SCORM can be fully realized, there must exist an intermediary process that allows for incremental progress. It is possible to dissect and implement SCORM in an intermediary phase based upon the user requirement that the content must first be sharable. One of the challenges pointed out by the Services was that of identification of material suitable for conversion to SCORM standards. If it is so unique that no more than a handful of individuals would be interested in the material, then the investment in conversion is a waste of resources in time, money, and personnel hours. However, by allowing content to be placed within a centrally managed repository and granting users permission to view items, it is being shared and thus meeting a basic premise of SCORM – it is now sharable content.

G. JUST ENOUGH LEARNING

Another aspect of SCORM that may be addressed at this stage is that of content decomposition. It does not have to be the level of granularity of an 'object' as defined by SCORM. Various estimates have been offered describing how much information is actually retained by the learner given the medium of delivery. The consensus is that there is too much information currently available concerning most topics. It cannot be argued that the information presented to students needs to be organized in such a manner to allow slow digestion by serving them in small pieces. This 'just-enough' teaching style assures that students are not overwhelmed and thereby are able to retain more of what is actually presented because they are not sifting through irrelevant or superfluous material. (Nichani, 2001) All too often, the information that is presented is too much for one person to truly absorb and retain. A Content Management System may be able to assist in organizing decomposed content.

MIT's OpenCourseWare endeavors to meet the sharing challenge to an extent. MIT OpenCourseWare (MIT OCW), a large-scale, Web-based publication of MIT faculty's course materials, enables the open sharing of the faculty's materials and pedagogy. This initiative connects visitors with the syllabi, lecture notes, and calendars of 700 courses (Potts, 2003). In addition, most course sites include a subset of other materials such as multimedia simulations, problem sets and solutions, past exams, reading lists, sample MIT student projects, and a selection of video lectures. Educators are encouraged to utilize the materials for curriculum development, and self-learners and students may draw upon the materials for self-study or supplementary use. While promising, MIT OCW also has its drawbacks. It organizes the information in static web pages through which students or viewers must navigate to locate a specific segment. The student cannot do a simple 'keyword search' to locate specific content. The student is offered the ability to select from a master list of courses and then permitted to go through the materials manually to find the specific area of interest.

H. CONCLUSION

SCORM's basic idea is to create once and use often. With this guiding principle in mind, the focus at this stage of SCORM implementation at NPS should be to first foster a sense of sharing. Rather than invest millions into new technologies, NPS should better employ technologies it already owns. As described in prior chapters, course conversion is one of the major challenges in implementing SCORM. Instead of spending countless hours designing new material that may or may not be SCORM-conformant, or having the courses go through a conversion process, why not use that which has already been created and is ready for sharing?

An LMS is appropriate for those students/users that are enrolled in the class. However, individuals who are interested in accessing the information but are not registered cannot have easy access to it, nor are they aware of its existence. These individuals do not need the full spectrum of services within an LMS, such as grades, progress evaluation, participation records, or tracked learning. They merely want the benefit of access to the content.

Most professors do not want to be content designers; they want to be teachers. They are educators, not instructional designers/technicians. Their expertise, and thus their true value, lies in their ability to breathe life into concepts and theories. A CMS would not require learning new technologies, unlike any LCMS. The professor may need to spend a great deal of time to learn the new technology just to be able to use an LCMS. It may not add much value to implement the new technologies into particular courses. A CMS would allow sharing of information created by the technologies already known to the professors. Even if the conversion process were simplified through templates and storyboards, the new converted material would still be shackled and caged within the LCMS that created it. To extract the material, the institution would need to make the LCMS available to everyone that needed access to the content.

This thesis proposes a dynamic Content Management System for the Naval Postgraduate School and will be discussed further in the next chapter. It addresses the first user requirement of SCORM: make content sharable. A CMS offers the needed level of granularity to organize information for easy identification and extraction. It does not force or demand such a fine granularity as to remove context from the learning content. A dynamic CMS would allow a 'keyword search' of content in addition to manual navigation. Blackboard is currently developing such a feature. The proposed CMS would have the ability to update itself dynamically as new content is placed within it. It also maintains the integrity of the many relationships in order to maintain the context of the material.

VI. CONTENT MANAGEMENT SYSTEM DATABASE

A. INTRODUCTION

A Content Management System (CMS) is a single database designed to manage all content within an organization. The prototype CMS discussed in this chapter was designed and constructed using a relational database.

B. SEARCH

This database features two paths by which to capture the information that resides in the subsections. A student at NPS, as well as users outside the NPS community, may find any material stored within the database. This database is not as restrictive as Blackboard, which limits access to certain authorized parties and content. This database will act as a central repository, available to everyone with access to the Internet.

1. Course

The first path is through “search by course,” navigated using the following path: course → chapter → topic → subsection. This path should only be used by authors/professors and students from NPS who are familiar with the content layout, enabling them to navigate efficiently.

2. Keyword

The second path is through “search by keyword,” navigated using the following path: keywords → paragraph & images. This path is open to users unfamiliar with navigation through the first path. However, both types of users may use either path. Users type keywords to capture the specific pieces of information they need (paragraph & images).

C. ALTER DATABASE: INSERT, UPDATE AND DELETE

Using forms, only professors/authors may insert, update, or delete database content. No changes are made to the database structure. Authorized users at this level must be registered by an administrator to have full write and modify privileges. To alter the database, the professor must first login to provide identification and authentication, then navigates via the ‘course’ pathway to find the section. The “Insert,” “Update” and “Delete” functions are restricted to those users granted privileges by the administrator.

The pathway includes the following: Course → Subject → Topic → Subsection. Actual content resides in the “Subsection”; sections preceding it contain only the name and description of each section but do not contain any data.

1. Insert

The “Insert” function allows the addition of new courses, subjects, topics, and subsections. A new “Course” field requires the course code, name, and description. The “Subject” and “Topic” fields require name and description. The ‘Subsection’ field requires category, header, description, content, and keywords.

2. Update

The “Update” function allows editing of existing content. Course, Subject, and Topic metadata only are updated. Actual content editing takes place in the Subsection. The forms are the same as those of the “Insert” function.

3. Delete

The “Delete” function allows the removal of existing content. As a control and safeguard mechanism, and to prevent accidental deletions, upper-level categories such as Course, Subject, and Topic cannot be deleted until all content in the Subsection has been removed. To protect referenced content, a course that is referenced by other courses cannot be deleted.

D. ADMINISTRATOR: AUTHORS, PROFESSORS AND CATEGORIES

Only the administrator is authorized to add and remove authors/professors. The administrator function allows for the addition, update, and deletion of user records, course categories, and professors. A professor must first be entered as a user and then classified as a professor to be assigned to courses in other administrator fields.

1. Authors/Users

The administrator may add new users/authors to the database via this form. The registration fields include First Name, Last Name, Office Phone, Office Room, Email Address, User Name/ID, Password, and User group.

2. Professors

The administrator can add new professors or associate current professors to courses to authorize modification of course content. The Professor form requires a selection from a list of Users/Authors, a list of courses, and a room assignment.

3. Categories

In the Categories section, courses are grouped for easy identification. Various courses are compartmentalized under main “umbrella” headings.

E. RELATIONSHIPS

The relationships between the entities in the CMS database are illustrated in the entity relationship diagram (ERD) in Figure 6.

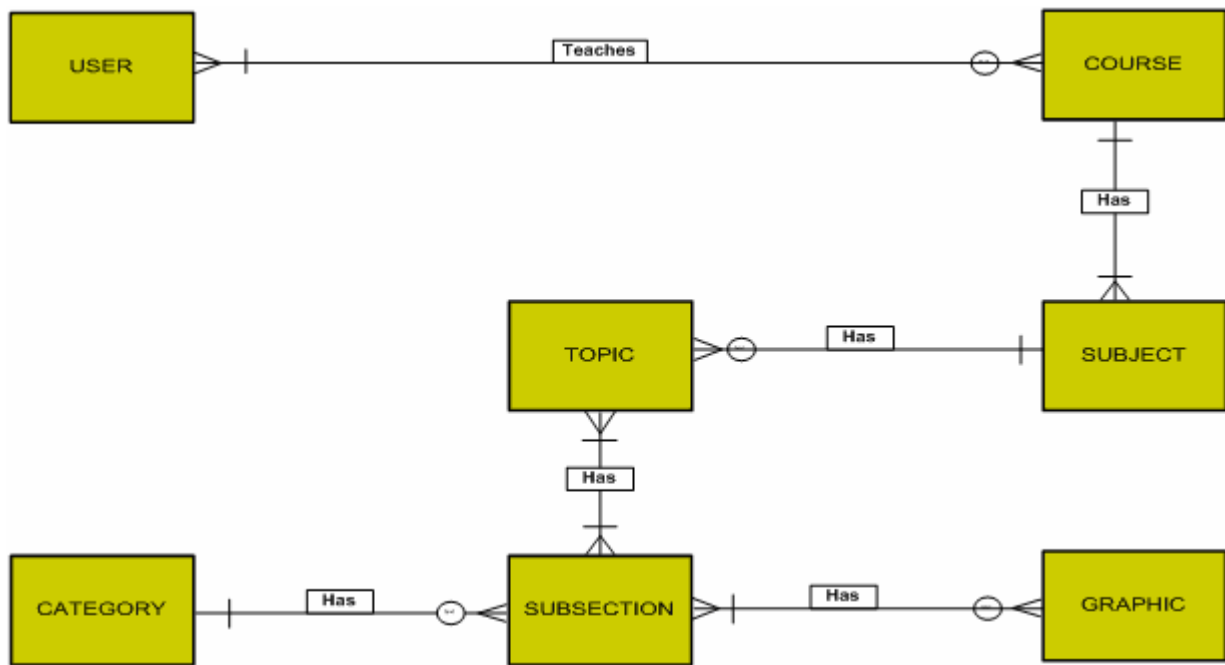


Figure 6. Entity Relationship Diagram for Content Management System Database

1. Many to Many

USER ↔ COURSE

A USER (e.g. Professor) can teach many COURSES; one COURSE can be taught by many USERS.

TOPIC ↔ SUBSECTION

A TOPIC can have many SUBSECTIONS; a SUBSECTION can be included in many TOPICS. That means that the same SUBSECTION can

be used by different TOPICS and eventually by different COURSES. So, different USERS can use the same SUBSECTION in their courses (e.g. A professor that teaches networks at the CS department can use SUBSECTIONS from a network course taught at the IS department).

SUBSECTION \leftrightarrow GRAPHICS

A SUBSECTION can have many GRAPHICS. A GRAPHIC can be included in many SUBSECTIONS.

2. One to Many:

COURSE \leftrightarrow SUBJECT

A COURSE can have many SUBJECTS. A SUBJECT must be included in one COURSE.

SUBJECT \leftrightarrow TOPIC

A SUBJECT can have many TOPICS. A TOPIC must be included in one SUBJECT.

CATEGORY \leftrightarrow SUBSECTION

A CATEGORY can have many SUBSECTIONS. A SUBSECTION must be included in one CATEGORY.

F. DATABASE SCHEMA

A database schema defines a database's structure, its tables, relationships, domains, and business rules. This design is the foundation upon which the database and applications are built. It describes the data in terms of a data model. In the relational model, the schema for a relation specifies its name, the name of each field (or attribute or column) and the type of each field (Kroenke, 2002). The schema for the database in this study is shown in Figure 7.

CMS DATABASE SCHEMA

USER (**userid**, firstName, lastName, officephone, officeRoom, email, userName, password, userGroup)

COURSE (**courseid**, courseCode, courseName, courseDescription)

TEACH (**teachid**, professorid (FK), courseid(FK), room)

SUBJECT (**subjectid**, courseid(FK), subjectName, subjectDescription)

TOPIC (**topicid**, subjectid(FK), topicName, topicDescription)

SUBSECTION (**subsectionid**, categoryid(FK), subsectionName, subsectionDescription, content, keywords, author)

TOPIC_HAS_SUBSECTIONS (**thsid**, topicid(FK), subsectionid)

GRAPHIC (**graphicid**, graphicName, graphicDescription, graphicPath, author)

SUBSECTION_HAS_GRAPHICS (**shgid**, subsectionid(FK), graphicid(FK))

CATEGORY (**categoryid**, categoryName, categoryDescription)

Figure 7. CMS Schema

G. DEVELOPMENT METHODOLOGY

1. Decide upon the application area and set the business rules/requirements.
2. Create the Entity-Relationship (E-R) diagram (or Object) using a tool such as a table designer.
3. Extract the tables.
4. Create the tables in the DBMS.
5. Decide upon and design the functionality of the site identifying how the menus are related to each other and how the different screens are connected. This area is distinct area unto itself. Many classes are offered to learn more about user interaction with the applications as well as screen and menu functionalities.

6. The next most important step that may have serious impact on the workflow is that of the database design. If the database is not sufficiently robust or contains design errors, the problems that will ensue during the development of the site will be almost insurmountable.
7. Decide on the site's appearance. Choose the frame structure, if any. Consider colors and images. Create images, if necessary, with the use of tools such as Macromedia Fireworks or Adobe Photoshop. Using these programs requires familiarity with the software, and perhaps entails learning it beforehand. Designing and constructing images involves trial and error.
8. Create the generic templates and the Cascading Style Sheets (CSS) that will be used throughout the site development. The use of templates and CSS is an excellent efficiency tool.
9. Investigate and remediate technical issues related to servers.
10. Copy the database to the corresponding directory and establish the connection.
11. Build the pages, starting with the simplest, and work incrementally up to the more complex.
12. Lastly, review and clean all pages to ensure consistency of appearance and functionality.
13. During all processes, constant attention to all previous work and the effects of alterations or new functionalities allows bugs to be discovered early, rather than complicating matters to the point of paralysis.

H. SOFTWARE USED

- Microsoft Access
- Dreamweaver MX 2004
- IIS Server - Locally
- Active Server Pages (ASP) Technology
- VB Scripting

I. CONCLUSION

This chapter elaborated upon the details of the actual database behind the Content Management System. This CMS is designed with the needs of higher education in mind. It allows the author/professor to define each category, as opposed to being confined to predetermined decomposition that may not be applicable in all instances.

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VII. CONCLUSIONS & RECOMMENDATIONS

A. INTRODUCTION

Understanding the initiative behind Advanced Distributed Learning (ADL), as well as the limitations of the Sharable Content Object Reference Model (SCORM) within the academic environment, enables a greater appreciation of a Content Management System that captures the true spirit of ADL and SCORM. The CMS prototype discussed in this thesis strives to provide an alternative to SCORM as well as an intermediary process to identify courses most suited to SCORM conversion. However, there remain several opportunities for further exploration and development.

B. RESEARCH SUMMARY

1. The Need to Manage Content

This thesis analyzes the Sharable Content Object Reference Model (SCORM) within higher education, offering SCORM's limitations within an application environment versus a theoretical/conceptual platform. The thesis also considered whether education or training is the environment better suited for implementation of this technology.

One discovery made while addressing the research questions is that from the current standards set forth by Advanced Distributed Learning (ADL), SCORM is the model *least* suited for higher education. SCORM technology will prove of greater utility within the Navy Training environment rather than higher education. In their effort to share information, higher education institutions would benefit more from a Content Management System in conjunction with a Learning Management System.

Chapters III-VI addressed the limitations of SCORM, provided a comparison of the applicability of SCORM within Navy Education and Training as separate entities, and provided a prototype of a Content Management System for institutions of higher learning.

2. Advanced Distributed Learning

A thorough comprehension of the genesis of the Sharable Content Object Reference Model (SCORM) depends upon a better understanding of its parent initiative. In 1999, three years after introducing the Advanced Distributed Learning (ADL)

initiative, Congress instructed the Department of Defense (DoD) to pay greater attention to the utilization of technology in its deployment of education and training materials. The original concept called for tailored and individualized education and training. Individualized training, in its purest sense, can never be a reality. An alternative is material tailored for individual communities that share a need for common education and training.

3. Limitations of SCORM

The Sharable Content Object Reference Model (SCORM) was just one answer to the Advanced Distributed Learning's (ADL) call for standardization. It has many limitations in need of remedy. One limitation, experts argue, is that SCORM's cookie-cutter approach does not furnish a template applicable to every organization that produces educational material. SCORM has many problems in the area of architecture (enterprise-wide implementation), clearer definition of its Objects, as well as its limited applicability to certain types of educational material. SCORM cannot meet the needs of higher education. It is not the panacea for information categorization and sharing.

4. Education Versus Training

The terms "education" and "training" are frequently used interchangeably without considering their actual dissimilarities. The military especially often treats the terms as synonyms, despite the fact that each concept requires a different approach. There is indeed a distinction between education and training. By illustrating SCORM's applicability or inapplicability, the distinction can be better examined. While education concerns itself with the gathering of facts, concepts, theories, events, and principles, training addresses the need for acquiring a specific skill.

5. Content Management

Because the content universe offers infinitely diverse material, a traditional Learning Management System (LMS) may not be the ultimate solution to content management. Learning Content Management Systems and Content Management Systems complement and sometimes even substitute for an LMS. An LMS is appropriate for those students/users/guests that are enrolled/registered/invited in the class. However, individuals who are interested in accessing the information but are not registered cannot

have easy access to it, nor are they aware of its existence. These individuals do not need the full spectrum of services within an LMS, such as grades, progress evaluation, participation records, or tracked learning. They merely want the benefit of access to the content.

Most professors do not want to be content designers; they want to be teachers. They are educators, not instructional designers/technicians. Their expertise, and thus their true value, lies in their ability to breathe life into concepts and theories. A CMS would not require learning new technologies, unlike any LCMS. It may not add much value to implement the new technologies into particular courses. A CMS would allow sharing of information created by the technologies already known to the professors. Even if the conversion process were simplified through templates and storyboards, the newly converted material would still be shackled and caged within the LCMS that created it. To extract the material, the institution would need to make the LCMS available to everyone that needed access to the content.

This thesis proposes a dynamic Content Management System for the Naval Postgraduate School. It addresses the first user requirement of SCORM: make content sharable. A CMS offers the needed level of granularity to organize information for easy identification and extraction. It does not force or demand such a fine granularity as to remove context from the learning content. A dynamic CMS would allow a ‘keyword search’ of content in addition to manual navigation. The proposed CMS would have the ability to update itself dynamically as new content is placed within it. It also maintains the integrity of the many relationships in order to maintain the context of the material.

C. LESSONS LEARNED

1. Web-Enabled Databases

Building a web-enabled database introduced many challenges. Database creation relies upon a thorough knowledge of web page creation in addition to database proficiency. The use of Macromedia’s Dreamweaver or similar web authoring programs was often complicated. In Dreamweaver, once an artifact is created with functionalities, its removal becomes rather cumbersome. Even though it is deleted, the corresponding code or pieces of it remain within the page. Finding these remnants is not a simple task

as the code is scattered throughout the page. Occasionally this forced the reconstruction of the page from scratch because all of the little shards of code could not be found and extracted from the page to allow it to properly function, and proved an inefficient use of time.

Dreamweaver, similar to other programs, has reserved characters with predefined functionalities. This can be likened to language development tools that have reserved words. In one example, a page used the symbol # instead of the word “number.” This minor oversight required hours of investigation to reveal that the pound symbol was actually a placeholder and could not be used to represent any other values.

2. Extensible Markup Language (XML)

Insufficient resident expertise frustrated the exploration and development of a purely XML database. Though native XML databases offer the advantage of speed over traditional databases, it is too new to be of practical use at this stage. XML is not just an extension of HTML. The complexities of this emerging technology require extensive training. A year’s worth of additional courses in XML or XML-oriented topics would be helpful and necessary to employ the rich potential of XML. It is beyond the focus of this thesis to expound further upon the strengths and weaknesses of employing purely XML databases.

D. FUTURE RESEARCH

1. Blackboard

Blackboard can incorporate much of the functionality of the NPS Content Management System (CMS). Blackboard can provide the Learning Management System functionalities such as discussion boards and tracking of student progress. By incorporating the dynamic search capability of the CMS into Blackboard, content can be accessed and retrieved by all users, as opposed to only registered guests or enrolled students and faculty.

Through working in concert with Blackboard, the CMS prevents a great deal of duplication. It eliminates the need for redundant use of server space for the same content. The opposite suggestion would be to recommend a mirror site.

2. Automation Versus Hard-Coding

Data entry into the CMS at this stage is all manual and is accomplished via “hard-coding.” Data is taken from its current location or format and manually inserted into specific fields within the CMS. A mechanism can be established and developed to allow the automatic pull of information into the database.

An area that may benefit from automation would be the keyword entry to enable search of content. Instead of forcing the author to categorize content by keyword, a means may be devised to allow an automatic keyword generator by performing an algorithm of the content. The algorithm may automatically capture title words, subsection headers, and words in the first sentence of paragraph. Another approach to this topic would be a more dynamic and efficient keyword search that searches the entire content as opposed to prefabricated keywords that may not truly capture or represent all the elements within the content.

3. Image Mapping & Import

The manner in which images are imported into the CMS is inefficient. First, the image must be manually placed within the images folder of the specific class. Second, the path to the image must be inserted within the source code of the HTML page. Simple typographical errors can prevent the image from being displayed.

E. CONCLUSION

DoD’s original design for ADL did not envision a complete overhaul of the education and training model. Its desire was to enable the widest dissemination and sharing of the greatest amount of information and learning as practicable. In this effort, the quantity and quality of the education and training materials were not to suffer at the hands of technology or the need for wider distribution. Along the way, ADL has been met with technological, cultural, financial, and policy/regulatory difficulties. Having this understanding of the vision behind ADL will allow a deeper understanding of the military’s expectations regarding education and training in the next decade. Moreover, this thesis suggests the military’s perspective on some of the differences between education and training. ADL envisioned an environment that embraced the spirit of education and the technologies to further and enhance it.

SCORM's basic idea is to create once and use often. With this guiding principle in mind, the focus at this stage of SCORM implementation at NPS should be to first foster a sense of sharing. Rather than invest millions into new technologies, NPS should better employ technologies it already owns. Course conversion is one of the major challenges in implementing SCORM. Instead of spending countless hours designing new material that may or may not be SCORM-conformant, or putting the courses through a conversion process, why not use that which has already been created and is ready for sharing? SCORM is too engrossed in technology and insufficiently so on actual education. The Naval Postgraduate School Content Management System undoubtedly and unapologetically deviates from SCORM's technology-based approach to better focus on information dissemination and knowledge sharing.

LIST OF REFERENCES

- Advanced Distributed Learning Initiative. ADL Overview.
<http://www.adlnet.org/index.cfm?fuseaction=abtadl> (15 March 2004).
- Bohl, Oliver. "The Sharable Content Object Reference Model (SCORM) – A Critical Review", 2002. Presented at the International Conference on Computers in Education (ICCE'02).
- Cohen, E.J. "The emerging standards effort in e-Learning – Will SCORM lead the way?" *e-Learning*, 3.1 (2002): 26-28.
- Cohen, William S. "Total Force Integration." Annual Report to the President and the Congress. Posture Statement presented to the 106th Cong., 1st sess. Washington: U.S. Department of Defense, 1999.
- Cross, Jay. "Different Learners, Same Learning". *Learning Circuits*, February 2003.
http://www.internetttime.com/lcmt/archives/2003_02.html (12 February 2004).
- Cross, Jay. "Training vs. Education: A Distinction That Makes A Difference". *Bank Securities Journal*, 1996.
- Department of Defense Mobile Code Policy. Memorandum, November 7, 2000.
<http://www.defenselink.mil/nii/org/cio/doc/mobile-code11-7-00.html> (15 April 2004).
- Engelbrecht, Jeffrey C. "Problems of Implementing SCORM in an Enterprise Distance Learning Architecture: SCORM Incompatibility Across Multiple Web Domains." *USDLA Journal* 17.2 (2003): 39-50.
- Geller, Scott. "Are you 'Training' or 'Educating'?" *Industrial Safety and Hygiene News* 19 May 2000.
http://www.ishn.com/CDA/Article_Information/BehavioralSafetyItem/0,3563,3251,00.html (13 January 2004).
- Granado, Joseph L. and Randy L. Anderson. An Analysis of Implementation Issues for the Searchable Content Object Reference Model (SCORM) in Navy Education and Training. Master's Thesis, Naval Postgraduate School, 2003.
- Greenberg, Leonard. "LMS and LCMS: What's the Difference?" *Learning Circuits*, December 2002. <http://www.learningcircuits.org/2002/dec2002/greenberg.htm> (22 April 2004).
- Interview with Sherrill Meaney, Distributed Learning Resource Center, Naval Postgraduate School, 7 May 2004.

Kline, John A. "Education and Training: Some Differences." Air & Space Power Chronicles Jan.–Feb. 1985.
<http://www.airpower.maxwell.af.mil/airchronicles/aureview/1985/jan-feb/kline.html> (13 January 2004).

Kraan, Wilbert and Scott Wilson. "Dan Rehak: 'SCORM is not for everyone'". Centre For Educational Technology Interoperability Standards (CETIS), 2 October 2002.
<http://www.cetis.ac.uk/content/20021002000737> (12 February 2004).

Kroenke, David M. Database Processing: Fundamentals, Design, and Implementation, Eighth Edition. New Jersey: Prentice Hall, 2002.

Kurtus, Ron. "The Difference Between Education and Training." www.school-for-champions.com/training/difference.htm (13 January 2004).

Minnesota State Colleges and Universities, Office of Instructional Technology. Why Should I Care? http://www.oit.mnscu.edu/ims/scorm/why_care.htm (22 April 2004).

Naval Education and Training Professional Development and Technology Center (NETPDTC). Reusable Information Objects and Reusable Learning Objects. PowerPoint presentation, 2003. <https://www.cnet.navy.mil/> (1 March 2004).

Nichani, Maish. "LCMS = LMS + CMS [RLOs]". E-learning Post, May 2001.
<http://www.elearningpost.com/features/archives/001022.asp> (22 April 2004).

Potts, Jon Paul. MIT Publishes 500th Course on OpenCourseWare. MIT OpenCourseWare press release, 30 September 2003.
<http://ocw.mit.edu/OcwWeb/Global/AboutOCW/about-ocw.htm> (22 April 2004).

Random House Webster's College Dictionary. 1999.

Rehak, Dan. "How Can e-Learning Standards Help You Right Now?" Presentation at Carnegie Mellon University, 2003. www.lsal.cmu.edu (23 February 2004).

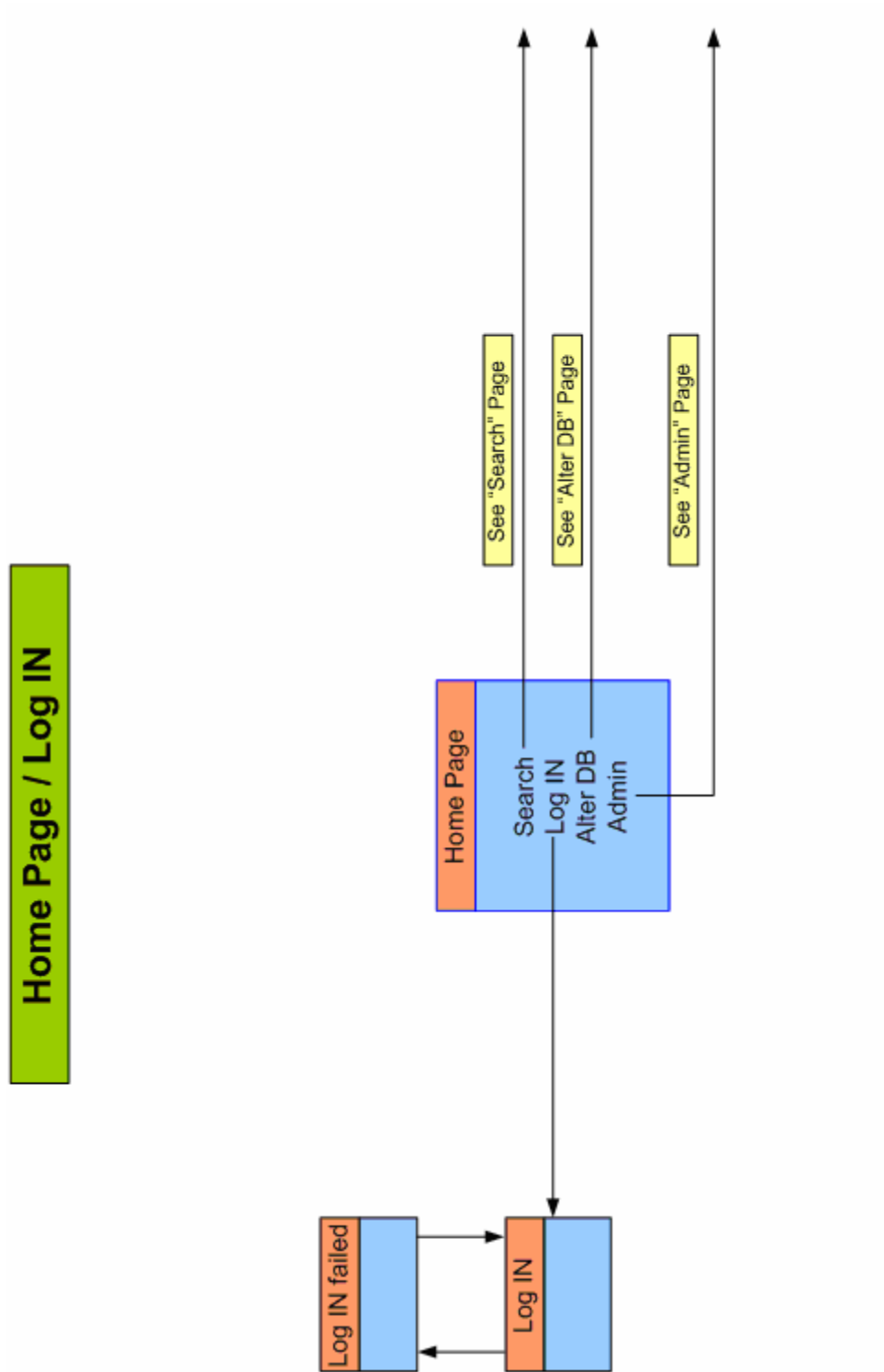
Shackleford, Bill. "A SCORM Odyssey." T+D 56.8 (2002): 30-35.

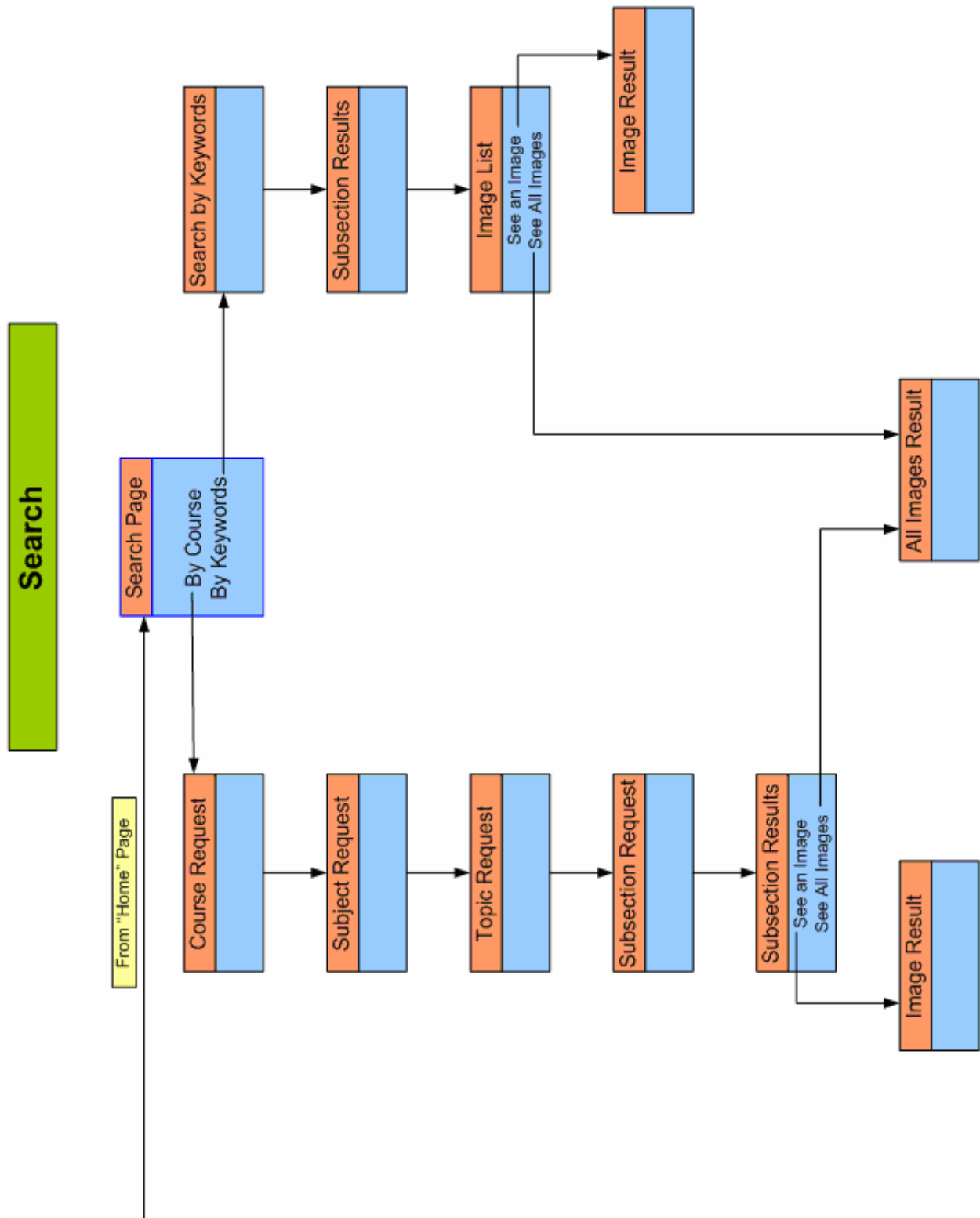
Trigeorgis, Lenos. Real Options : Managerial Flexibility And Strategy In Resource Allocation. Cambridge, Mass.: MIT Press, c1996.

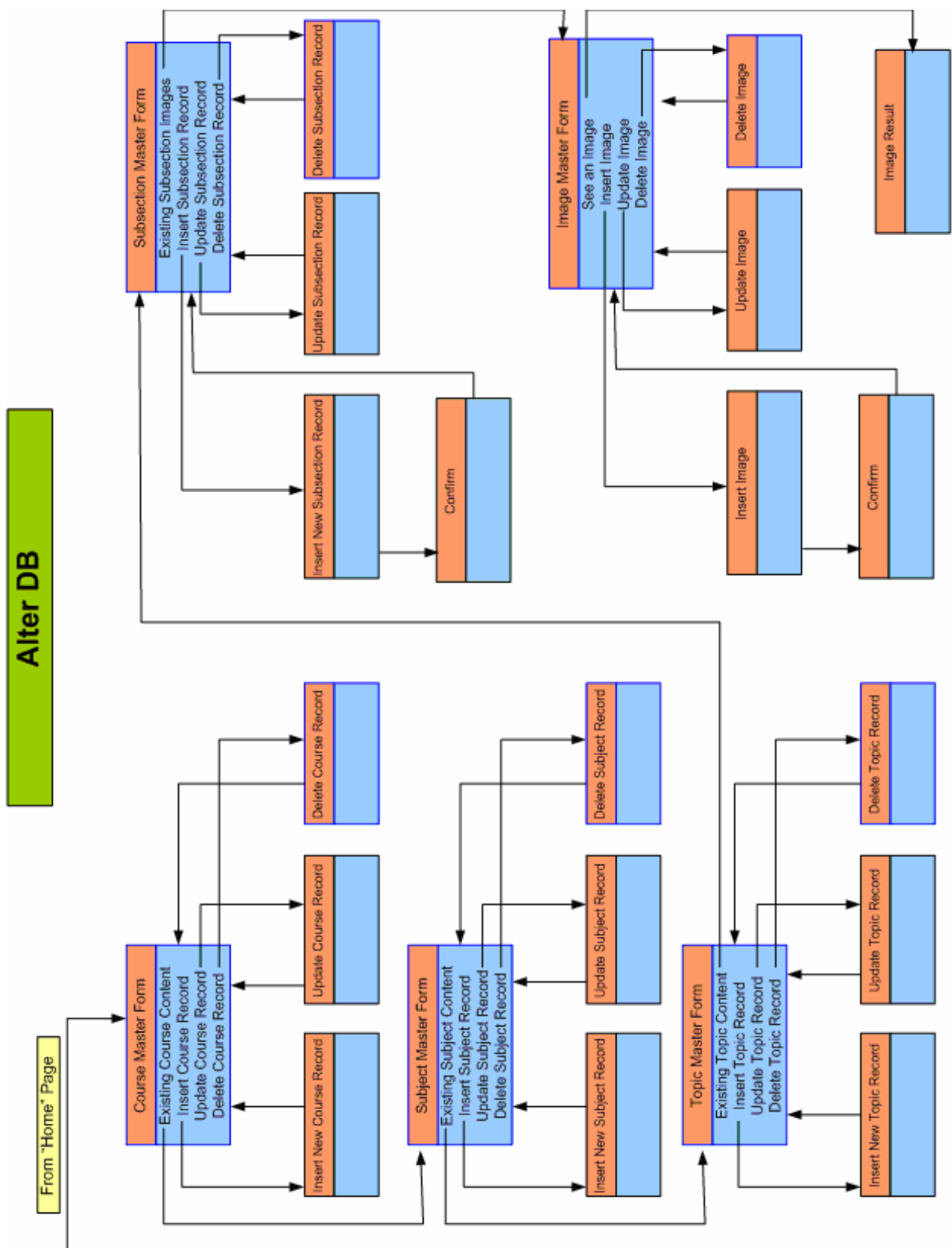
United States General Accounting Office Report to Congressional Committees, "Military Transformation: Progress and Challenges for DoD's Advanced Distributed Learning Programs". GAO-03-393, February 2003.

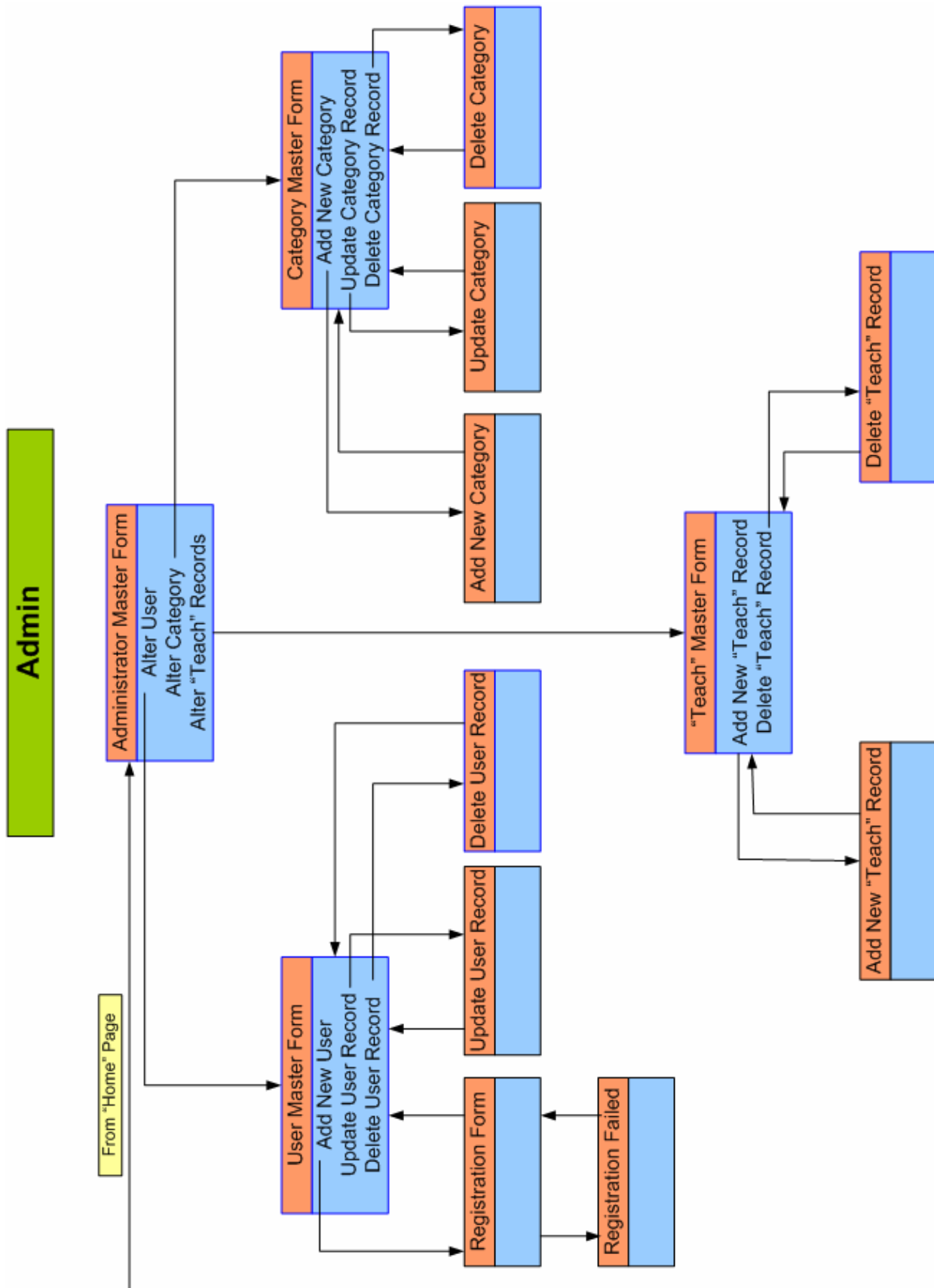
Welsch, Edward. "SCORM: Clarity or Calamity." Online Learning 6.6 (2002): 14-18.

APPENDIX A. CONTENT MANAGEMENT SYSTEM DATA FLOW DIAGRAM

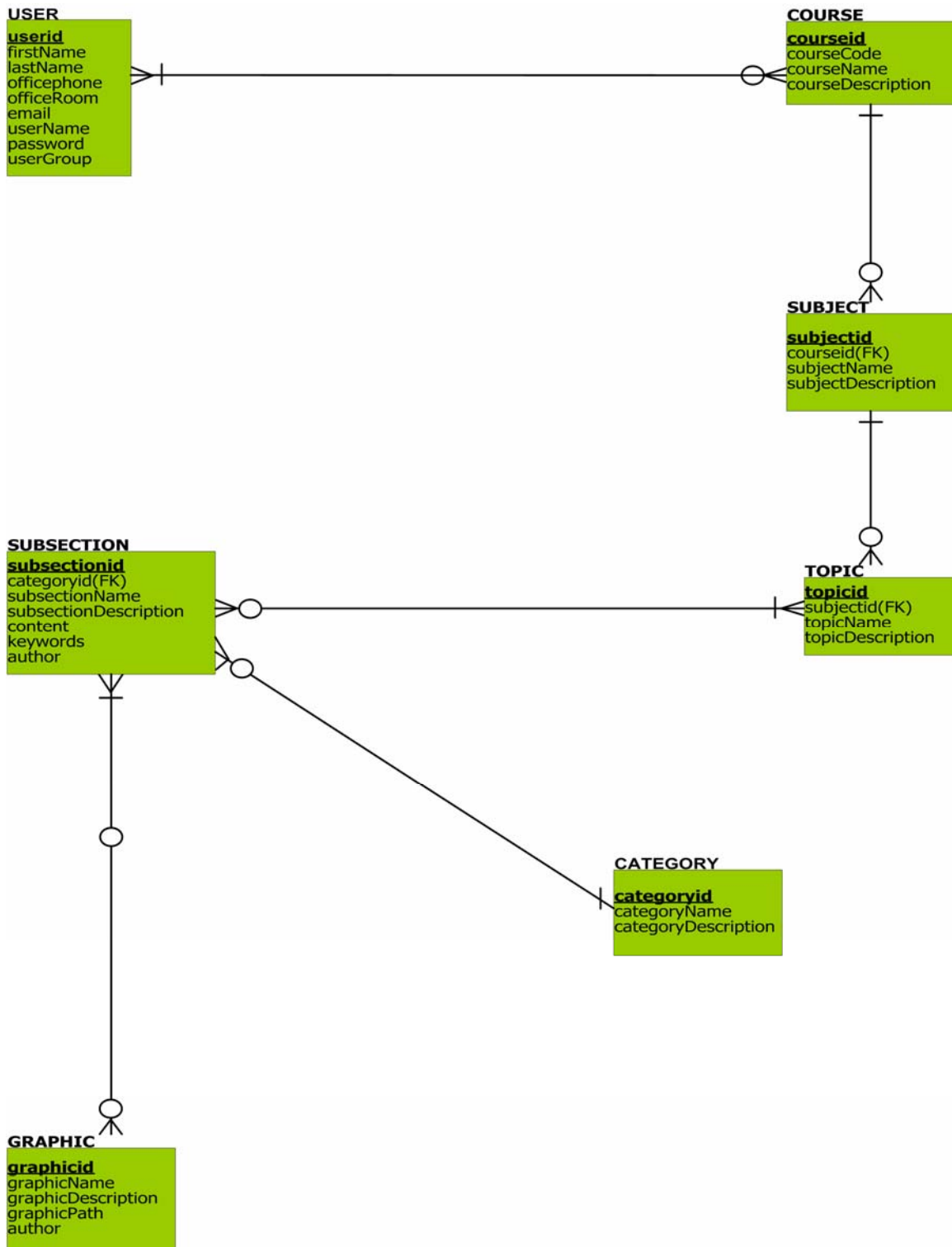






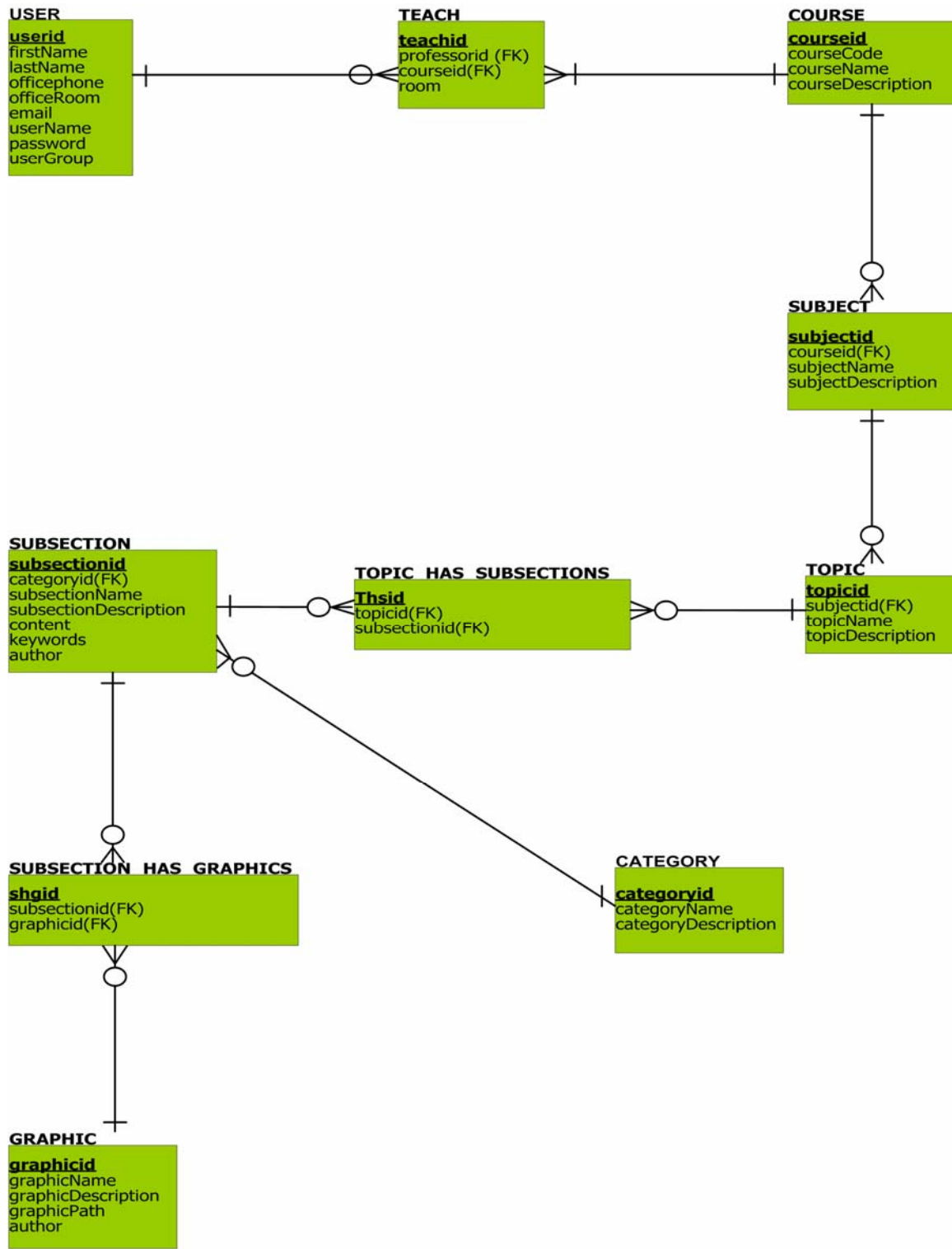


APPENDIX B. CONTENT MANAGEMENT SYSTEM ENTITY-RELATIONSHIP DIAGRAM WITH ATTRIBUTES



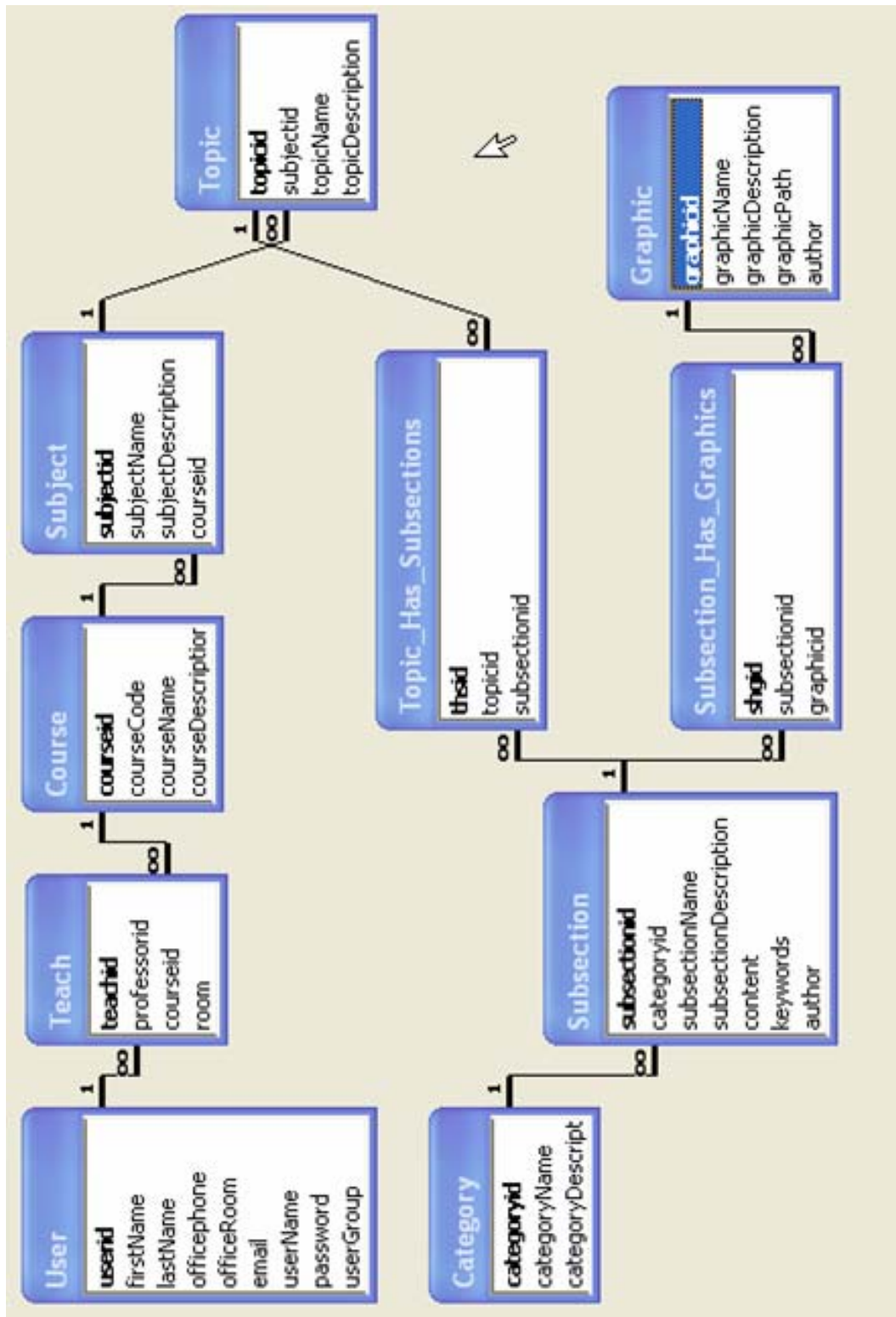
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APPENDIX C. CONTENT MANAGEMENT SYSTEM DATABASE SCHEMA WITH ATTRIBUTES



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APPENDIX D. CONTENT MANAGEMENT SYSTEM RELATIONSHIP DIAGRAM



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APPENDIX E. CONTENT MANAGEMENT SYSTEM XML CODE

```
<?xml version="1.0" encoding="UTF-8" ?>
  <!--
    LCDR Ilias Zacharopoulos, LT Mohammad Kohistany
    Description: This is an XML adaptation of the Content Management
    System database depicting one section within the IS3502 course.
  -->
- <Course courseCode="is3502" courseName="Networks" instructor="Dale,
  Courtney">
- <TableOfContents>
  <Subject SubjectTitle="Syllabus" />
- <Subject SubjectTitle="Chapter 01: Introduction to Networking">
- <Topic TopicTitle="Elements Common to All Server-Based Networks">
- <Subsection subsectionTitle="Networking Basics">
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- <HTML>
- <HEAD>
- <TITLE>
  <b>Elements Common to All Server-Based Networks</b>
  </TITLE>
  </HEAD>
- <BODY>
- <p>
  <b>Networking Basics</b>
  </p>
  <p>Before you can begin talking about networking it is vital that you
  understand the definition. A computer Network at the most basic level is
  two or more computers and/or other devices that are connected by some
  type of transmission media. This media will usually be either cabling or
  wire; however, wireless networks are growing in popularity. The biggest
  advantage to using a computer network is the ease of sharing information
  between computers. Another great advantage of networking is the ability to
  centrally administer the hardware and software. Additionally computers
  may be connected to mainframe computers, modems, CD-ROMs, printers,
  plotters, fax machines, or phone systems. Computers on any network may
  communicate through wires, cables, radio waves, and infrared or satellite
  links.</p>
- <p>
  The simplest form of a network in use today is a
  <b>peer-to-peer</b>
  network. A peer-to-peer network is not normally used when there is the
  need for more than 10 computers to be connected to the network. When
  using peer-to-peer communication each computer is able to talk directly to
  other computers through one cable; this means that no single computer on
  the network has more authority than any other computer on the network. It
  is important to realize that each computer in a peer-to-peer network can act
  as a client or a server. In a peer-to-peer network each computer user acts
  as a network administrator for his or her own computer. For all intents and
```

purposes this type of a network should not be used if security is a concern of the company. It is also significant to note that the more computers that are added to a peer-to-peer network, the slower the network will operate.

</p>

- <p>

</p>

- <p>

A

local area network (LAN)

is a network of computers and other devices that are confined to a relatively small area, such as a building or an office. LANs can also in some cases be connected throughout multiple buildings. In general, the term LAN can be used unless you have crossed a main thoroughfare. A peer-to-peer network is an example of a simple LAN. More complex LANs are server-based and rely on a file server. These types of networks are commonly called client/server networks.

</p>

- <p>

A network that connects two or more geographically distinct LANs is labeled a

wide area network (WAN)

. WANs that connect LANs across a city or a campus (generally 30 miles or less) are sometimes called metropolitan networks, or MANs. It is worth mentioning that MANs and WANs use the same type of technology.

</p>

</BODY>

</HTML>

]]

</Subsection>

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<Topic TopicTitle="How Networks are Used" />

<Topic TopicTitle="Mastering the Technical Challenges" />

<Topic TopicTitle="Developing Your 'Soft Skills'" />

<Topic TopicTitle="Pursuing a Certification" />

<Topic TopicTitle="Finding a Job in Networking" />

<Topic TopicTitle="Joining Professional Organizations" />

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<Subject SubjectTitle="Chapter 03: Network Protocols" />

<Subject SubjectTitle="Chapter 04: Transmission Basics and Networking Med" />

<Subject SubjectTitle="Chapter 05: Physical and Logical Topologies" />

<Subject SubjectTitle="Chapter 06: Networking Hardware" />

<Subject SubjectTitle="Chapter 07: WANs and Remote Connectivity" />

<Subject SubjectTitle="Chapter 08: Network Operating Systems & Windows" />

<Subject SubjectTitle="Chapter 10: Networking with UNIX" />

<Subject SubjectTitle="Chapter 11: Networking With TCP/IP & the Internet" />

<Subject SubjectTitle="Chapter 12: Troubleshooting Network Problems" />

<Subject SubjectTitle="Chapter 13: Maintaining and Upgrading a Network" />

```
<Subject SubjectTitle="Chapter 14: Ensuring Integrity and Availability" />
<Subject SubjectTitle="Chapter 15: Network Security" />
<Subject SubjectTitle="Chapter 16: Managing Network Design & Implement" />
  </TableOfContents>
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1. Confirm_Image.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
' *** Edit Operations: declare variables

Dim MM_editAction
Dim MM_abortEdit
Dim MM_editQuery
Dim MM_editCmd

Dim MM_editConnection
Dim MM_editTable
Dim MM_editRedirectUrl
Dim MM_editColumn
Dim MM_recordId

Dim MM_fieldsStr
Dim MM_columnsStr
Dim MM_fields
Dim MM_columns
Dim MM_typeArray
Dim MM_formVal
Dim MM_delim
Dim MM_altVal
Dim MM_emptyVal
Dim MM_i

MM_editAction = CStr(Request.ServerVariables("SCRIPT_NAME"))
If (Request.QueryString <> "") Then
    MM_editAction = MM_editAction & "?" &
Server.HTMLEncode(Request.QueryString)
End If

' boolean to abort record edit
MM_abortEdit = false

' query string to execute
MM_editQuery = ""
%>
<%
' *** Insert Record: set variables

If (CStr(Request("MM_insert")) = "form1") Then
```

```

MM_editConnection = MM_conn_DistanceLearning_STRING
MM_editTable = "Subsection_Has_Graphics"
MM_editRedirectUrl = "Form_Image_Master.asp"
MM_fieldsStr = "subsectionid|value|graphicid|value"
MM_columnsStr = "subsectionid|none,none,NULL|graphicid|none,none,NULL"

' create the MM_fields and MM_columns arrays
MM_fields = Split(MM_fieldsStr, "|")
MM_columns = Split(MM_columnsStr, "|")

' set the form values
For MM_i = LBound(MM_fields) To UBound(MM_fields) Step 2
    MM_fields(MM_i+1) = CStr(Request.Form(MM_fields(MM_i)))
Next

' append the query string to the redirect URL
If (MM_editRedirectUrl <> "" And Request.QueryString <> "") Then
    If (InStr(1, MM_editRedirectUrl, "?", vbTextCompare) = 0 And
Request.QueryString <> "") Then
        MM_editRedirectUrl = MM_editRedirectUrl & "?" & Request.QueryString
    Else
        MM_editRedirectUrl = MM_editRedirectUrl & "&" & Request.QueryString
    End If
End If

End If
%>
<%
' *** Insert Record: construct a sql insert statement and execute it

Dim MM_tableValues
Dim MM_dbValues

If (CStr(Request("MM_insert")) <> "") Then

' create the sql insert statement
MM_tableValues = ""
MM_dbValues = ""
For MM_i = LBound(MM_fields) To UBound(MM_fields) Step 2
    MM_formVal = MM_fields(MM_i+1)
    MM_typeArray = Split(MM_columns(MM_i+1),",")
    MM_delim = MM_typeArray(0)
    If (MM_delim = "none") Then MM_delim = ""
    MM_altVal = MM_typeArray(1)
    If (MM_altVal = "none") Then MM_altVal = ""
    MM_emptyVal = MM_typeArray(2)

```

```

If (MM_emptyVal = "none") Then MM_emptyVal = ""
If (MM_formVal = "") Then
    MM_formVal = MM_emptyVal
Else
    If (MM_altVal <> "") Then
        MM_formVal = MM_altVal
    ElseIf (MM_delim = "") Then ' escape quotes
        MM_formVal = "" & Replace(MM_formVal,"","") & ""
    Else
        MM_formVal = MM_delim + MM_formVal + MM_delim
    End If
End If
If (MM_i <> LBound(MM_fields)) Then
    MM_tableValues = MM_tableValues & ","
    MM_dbValues = MM_dbValues & ","
End If
MM_tableValues = MM_tableValues & MM_columns(MM_i)
MM_dbValues = MM_dbValues & MM_formVal
Next
MM_editQuery = "insert into " & MM_editTable & " (" & MM_tableValues &
") values (" & MM_dbValues & ")"

```

```

If (Not MM_abortEdit) Then
    ' execute the insert
    Set MM_editCmd = Server.CreateObject("ADODB.Command")
    MM_editCmd.ActiveConnection = MM_editConnection
    MM_editCmd.CommandText = MM_editQuery
    MM_editCmd.Execute
    MM_editCmd.ActiveConnection.Close

```

```

If (MM_editRedirectUrl <> "") Then
    Response.Redirect(MM_editRedirectUrl)
End If
End If

```

```

End If
%>
<%
Dim rs_maxGraphicid__MMColParam
rs_maxGraphicid__MMColParam = "izacharo"
If (Session("MM_UserName") <> "") Then
    rs_maxGraphicid__MMColParam = Session("MM_UserName")
End If
%>
<%
Dim rs_maxGraphicid

```

```

Dim rs_maxGraphicid_numRows

Set rs_maxGraphicid = Server.CreateObject("ADODB.Recordset")
rs_maxGraphicid.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_maxGraphicid.Source = "SELECT graphicid FROM Graphic WHERE
graphicid=(SELECT MAX(graphicid) FROM Graphic WHERE author = '" +
Replace(rs_maxGraphicid__MMColParam, "'", "''") + "')"
rs_maxGraphicid.CursorType = 0
rs_maxGraphicid.CursorLocation = 2
rs_maxGraphicid.LockType = 1
rs_maxGraphicid.Open()

rs_maxGraphicid_numRows = 0
%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Confirm Image</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
a:link {
    color: #CC3300;
}
a:visited {
    color: #CC3399;
}
a:hover {
    color: #000066;
}
a:active {
    color: #339900;
}
.style1 {
    color: #FF0000;
    font-weight: bold;
}
-->
</style></head>
<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
<tr>

```

```

        <td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
        <tr>
        <td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
        </td>
        </tr>
        </table></td>
        </tr>
        <tr>
        <td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
        <tr>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
        <param name="movie" value="button2.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button2.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
        </object></td>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
        <param name="movie" value="button1.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>
        </object></td>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
        <param name="movie" value="button3.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button3.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve

```

```

rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
</object></td>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
<param name="movie" value="button4.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />
<embed src="button4.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
</object></td>
<td width="14%" bgcolor="#DEDEBC"><object
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sion=5,0,0,0" width="103" height="24">
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<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />
<embed src="button5.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
</object></td>
</tr>
</table></td>
</tr>
<tr>
<td><hr /> <h3 align="center"> Confirm Image Insertion </h3>
<hr />
<form name="form1" id="form1" method="POST"
action="<%=MM_editAction%>">
<table width="50%" border="1" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td width="80%"><input name="subsectionid" type="hidden"
id="subsectionid" value="<%= Request.QueryString("subsectionid") %>" />
<input name="graphicid" type="hidden" id="graphicid"
value="<%= (rs_maxGraphicid.Fields.Item("graphicid").Value)%>" />
<span class="style1">***Please Comfirm your Image
Insertion***</span> </td>
<td width="20%"><input type="submit" name="Submit"
value="Confirm" /></td>

```

```

        </tr>
    </table>

    <input type="hidden" name="MM_insert" value="form1">
</form>    <p align="left">&nbsp;</p></td>
    </tr>
    <tr>
        <td>&nbsp;</td>
    </tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>
<%
rs_maxGraphicid.Close()
Set rs_maxGraphicid = Nothing
%>

```


2. Course_Request.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->

<%
Dim searchMethod

searchMethod = Request.QueryString("radiobutton")
If searchMethod = 1 Then
    Response.Redirect("Keyword_Request.asp")

End If

%>
<%
Dim Courses
Dim Courses_numRows

Set Courses = Server.CreateObject("ADODB.Recordset")
Courses.ActiveConnection = MM_conn_DistanceLearning_STRING
Courses.Source = "SELECT courseid, courseCode, courseName FROM Course
ORDER BY courseCode ASC"
Courses.CursorType = 0
Courses.CursorLocation = 2
Courses.LockType = 1
Courses.Open()

Courses_numRows = 0
%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Course Request</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
</head>
<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
<tr>
```

```
  |
```

```
 <object classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000" codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver sion=5,0,0,0" width="100" height="23">     <param name="movie" value="button4.swf" />     <param name="quality" value="high" />     <param name="bgcolor" value="#DEDEBC" />     <embed src="button4.swf" quality="high" pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23" bgcolor="#DEDEBC"></embed> </object></td>  <object classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000" codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver sion=5,0,0,0" width="103" height="24">     <param name="movie" value="button5.swf" />     <param name="quality" value="high" />     <param name="bgcolor" value="#DEDEBC" />     <embed src="button5.swf" quality="high" pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24" bgcolor="#DEDEBC"></embed> </object></td> </tr> </table></td> </tr> <tr>  <hr /> <h3 align="center">Course Request</h3> <hr /> </td> </tr> <tr>  <form name="frmCourse" id="frmCourse" method="post" action="Subject_Request.asp">     <div align="center"><br />     Select Course:     <select name="courseid" id="courseid">     <% While (NOT Courses.EOF) %>     <option value="<%= (Courses.Fields.Item("courseid").Value)%>"><%= (Courses.Fields.Item("co urseCode").Value)%></option>     <% Courses.MoveNext() Wend | | | |
```

```

If (Courses.CursorType > 0) Then
    Courses.MoveFirst
Else
    Courses.Requery
End If
%>
    </select>
    <input type="submit" name="Submit" value="Submit" />
    </div>
    </form></td>
</tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>
<%
Courses.Close()
Set Courses = Nothing
%>

```

3. DLStylesheet.css

```
body {
    font-family: Verdana, Arial, Helvetica, sans-serif;
    font-size: 10pt;
    color: #000000;
    background-color: #DEDEBC;
}
h3 {
    font-size: 16pt;
    color: #3300CC;
    font-weight: bold;
    font-family: "Times New Roman", Times, serif;
}
h1 {
    font-size: 24pt;
    color: #FF0000;
    font-weight: bold;
}
h2 {
    font-size: 18pt;
    font-weight: bold;
    color: #FFFF00;
}
```

4. Form_Add_New_Course.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
' *** Restrict Access To Page: Grant or deny access to this page
MM_authorizedUsers="admin,professor"
MM_authFailedURL="login.asp"
MM_grantAccess=false
If Session("MM_Username") <> "" Then
    If (false Or CStr(Session("MM_UserAuthorization"))="") Or _
        (InStr(1,MM_authorizedUsers,Session("MM_UserAuthorization"))>=1)
Then
    MM_grantAccess = true
End If
End If
If Not MM_grantAccess Then
    MM_qsChar = "?"
    If (InStr(1,MM_authFailedURL,"?") >= 1) Then MM_qsChar = "&"
    MM_referrer = Request.ServerVariables("URL")
    if (Len(Request.QueryString()) > 0) Then MM_referrer = MM_referrer & "?" &
Request.QueryString()
    MM_authFailedURL = MM_authFailedURL & MM_qsChar & "accessdenied="
& Server.URLEncode(MM_referrer)
    Response.Redirect(MM_authFailedURL)
End If
%>
<%
' *** Edit Operations: declare variables

Dim MM_editAction
Dim MM_abortEdit
Dim MM_editQuery
Dim MM_editCmd

Dim MM_editConnection
Dim MM_editTable
Dim MM_editRedirectUrl
Dim MM_editColumn
Dim MM_recordId

Dim MM_fieldsStr
Dim MM_columnsStr
Dim MM_fields
Dim MM_columns
Dim MM_typeArray
```

```

Dim MM_formVal
Dim MM_delim
Dim MM_altVal
Dim MM_emptyVal
Dim MM_i

MM_editAction = CStr(Request.ServerVariables("SCRIPT_NAME"))
If (Request.QueryString <> "") Then
    MM_editAction = MM_editAction & "?" &
Server.HTMLEncode(Request.QueryString)
End If

' boolean to abort record edit
MM_abortEdit = false

' query string to execute
MM_editQuery = ""
%>
<%
' *** Insert Record: set variables

If (CStr(Request("MM_insert")) = "form1") Then

    MM_editConnection = MM_conn_DistanceLearning_STRING
    MM_editTable = "Course"
    MM_editRedirectUrl = "Form_Course_Master.asp"
    MM_fieldsStr = "courseCode|value|courseName|value|courseDescription|value"
    MM_columnsStr =
"courseCode|,none,"|courseName|,none,"|courseDescription|,none,"

    ' create the MM_fields and MM_columns arrays
    MM_fields = Split(MM_fieldsStr, "|")
    MM_columns = Split(MM_columnsStr, "|")

    ' set the form values
    For MM_i = LBound(MM_fields) To UBound(MM_fields) Step 2
        MM_fields(MM_i+1) = CStr(Request.Form(MM_fields(MM_i)))
    Next

    ' append the query string to the redirect URL
    If (MM_editRedirectUrl <> "" And Request.QueryString <> "") Then
        If (InStr(1, MM_editRedirectUrl, "?", vbTextCompare) = 0 And
Request.QueryString <> "") Then
            MM_editRedirectUrl = MM_editRedirectUrl & "?" & Request.QueryString
        Else
            MM_editRedirectUrl = MM_editRedirectUrl & "&" & Request.QueryString
        End If
    End If
End If

```

```

    End If
End If

End If
%>
<%
' *** Insert Record: construct a sql insert statement and execute it

Dim MM_tableValues
Dim MM_dbValues

If (CStr(Request("MM_insert")) <> "") Then

    ' create the sql insert statement
    MM_tableValues = ""
    MM_dbValues = ""
    For MM_i = LBound(MM_fields) To UBound(MM_fields) Step 2
        MM_formVal = MM_fields(MM_i+1)
        MM_typeArray = Split(MM_columns(MM_i+1),",")
        MM_delim = MM_typeArray(0)
        If (MM_delim = "none") Then MM_delim = ""
        MM_altVal = MM_typeArray(1)
        If (MM_altVal = "none") Then MM_altVal = ""
        MM_emptyVal = MM_typeArray(2)
        If (MM_emptyVal = "none") Then MM_emptyVal = ""
        If (MM_formVal = "") Then
            MM_formVal = MM_emptyVal
        Else
            If (MM_altVal <> "") Then
                MM_formVal = MM_altVal
            ElseIf (MM_delim = "") Then ' escape quotes
                MM_formVal = "" & Replace(MM_formVal,"","") & ""
            Else
                MM_formVal = MM_delim + MM_formVal + MM_delim
            End If
        End If
    Next MM_i
    If (MM_i <> LBound(MM_fields)) Then
        MM_tableValues = MM_tableValues & ","
        MM_dbValues = MM_dbValues & ","
    End If
    MM_tableValues = MM_tableValues & MM_columns(MM_i)
    MM_dbValues = MM_dbValues & MM_formVal
Next MM_i
MM_editQuery = "insert into " & MM_editTable & " (" & MM_tableValues &
") values (" & MM_dbValues & ")"

```



```

If (Not MM_abortEdit) Then
    ' execute the insert
    Set MM_editCmd = Server.CreateObject("ADODB.Command")
    MM_editCmd.ActiveConnection = MM_editConnection
    MM_editCmd.CommandText = MM_editQuery
    MM_editCmd.Execute
    MM_editCmd.ActiveConnection.Close

    If (MM_editRedirectUrl <> "") Then
        Response.Redirect(MM_editRedirectUrl)
    End If
End If

End If
%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Insert New Course</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
a:link {
    color: #CC3300;
}
a:visited {
    color: #CC3399;
}
a:hover {
    color: #000066;
}
a:active {
    color: #339900;
}
-->
</style>
</head>
<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
<tr>

```

```
  |
```

```
 <object classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000" codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver sion=5,0,0,0" width="100" height="23">     <param name="movie" value="button4.swf" />     <param name="quality" value="high" />     <param name="bgcolor" value="#DEDEBC" />     <embed src="button4.swf" quality="high" pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23" bgcolor="#DEDEBC"></embed> </object></td>  <object classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000" codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver sion=5,0,0,0" width="103" height="24">     <param name="movie" value="button5.swf" />     <param name="quality" value="high" />     <param name="bgcolor" value="#DEDEBC" />     <embed src="button5.swf" quality="high" pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24" bgcolor="#DEDEBC"></embed> </object></td> </tr> </table></td> </tr> <tr>  <hr /> <h3 align="center"> Insert New Course </h3>     <hr /> <form ACTION="<%=MM_editAction%>" METHOD="POST" name="form1" id="form1">         <table width="95%" border="1" align="center" cellpadding="3" cellspacing="0">             <tr>                 <td>Course Code </td>                 <td><input name="courseCode" type="text" id="courseCode" /></td>             </tr>             <tr>                 <td>Course Name </td>                 <td><input name="courseName" type="text" id="courseName" /></td>             </tr>             <tr>                 <td>Course Description </td>                 <td><textarea name="courseDescription" cols="50" id="courseDescription"></textarea></td>             </tr> | | |
```

```

        <tr>
        <td>&nbsp;</td>
        <td><input name="Submit" type="submit" value="Submit" /></td>
        </tr>
    </table>

    <input type="hidden" name="MM_insert" value="form1">
    </form>    <p align="left">&nbsp;</p></td>
    </tr>
    <tr>
    <td>&nbsp;</td>
    </tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>

```

5. Form_Add_Subject.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
' *** Restrict Access To Page: Grant or deny access to this page
MM_authorizedUsers="admin,professor"
MM_authFailedURL="login.asp"
MM_grantAccess=false
If Session("MM_Username") <> "" Then
    If (false Or CStr(Session("MM_UserAuthorization"))="") Or _
        (InStr(1,MM_authorizedUsers,Session("MM_UserAuthorization"))>=1)
Then
    MM_grantAccess = true
    End If
End If
If Not MM_grantAccess Then
    MM_qsChar = "?"
    If (InStr(1,MM_authFailedURL,"?") >= 1) Then MM_qsChar = "&"
    MM_referrer = Request.ServerVariables("URL")
    if (Len(Request.QueryString()) > 0) Then MM_referrer = MM_referrer & "?" &
Request.QueryString()
    MM_authFailedURL = MM_authFailedURL & MM_qsChar & "accessdenied="
& Server.URLEncode(MM_referrer)
    Response.Redirect(MM_authFailedURL)
End If
%>
<%
' *** Edit Operations: declare variables

Dim MM_editAction
Dim MM_abortEdit
Dim MM_editQuery
Dim MM_editCmd

Dim MM_editConnection
Dim MM_editTable
Dim MM_editRedirectUrl
Dim MM_editColumn
Dim MM_recordId

Dim MM_fieldsStr
Dim MM_columnsStr
Dim MM_fields
Dim MM_columns
```

```

Dim MM_typeArray
Dim MM_formVal
Dim MM_delim
Dim MM_altVal
Dim MM_emptyVal
Dim MM_i

MM_editAction = CStr(Request.ServerVariables("SCRIPT_NAME"))
If (Request.QueryString <> "") Then
    MM_editAction = MM_editAction & "?" &
Server.HTMLEncode(Request.QueryString)
End If

' boolean to abort record edit
MM_abortEdit = false

' query string to execute
MM_editQuery = ""
%>
<%
' *** Insert Record: set variables

If (CStr(Request("MM_insert")) = "form1") Then

    MM_editConnection = MM_conn_DistanceLearning_STRING
    MM_editTable = "Subject"
    MM_editRedirectUrl = "Form_Subject_Master.asp"
    MM_fieldsStr = "subjectName|value|subjectDescription|value|courseid|value"
    MM_columnsStr =
"subjectName|,none,|subjectDescription|,none,|courseid|none,none,NULL"

    ' create the MM_fields and MM_columns arrays
    MM_fields = Split(MM_fieldsStr, "|")
    MM_columns = Split(MM_columnsStr, "|")

    ' set the form values
    For MM_i = LBound(MM_fields) To UBound(MM_fields) Step 2
        MM_fields(MM_i+1) = CStr(Request.Form(MM_fields(MM_i)))
    Next

    ' append the query string to the redirect URL
    If (MM_editRedirectUrl <> "" And Request.QueryString <> "") Then
        If (InStr(1, MM_editRedirectUrl, "?", vbTextCompare) = 0 And
Request.QueryString <> "") Then
            MM_editRedirectUrl = MM_editRedirectUrl & "?" & Request.QueryString
        Else

```

```

        MM_editRedirectUrl = MM_editRedirectUrl & "&" & Request.QueryString
    End If
End If

End If
%>
<%
' *** Insert Record: construct a sql insert statement and execute it

Dim MM_tableValues
Dim MM_dbValues

If (CStr(Request("MM_insert")) <> "") Then

    ' create the sql insert statement
    MM_tableValues = ""
    MM_dbValues = ""
    For MM_i = LBound(MM_fields) To UBound(MM_fields) Step 2
        MM_formVal = MM_fields(MM_i+1)
        MM_typeArray = Split(MM_columns(MM_i+1),",")
        MM_delim = MM_typeArray(0)
        If (MM_delim = "none") Then MM_delim = ""
        MM_altVal = MM_typeArray(1)
        If (MM_altVal = "none") Then MM_altVal = ""
        MM_emptyVal = MM_typeArray(2)
        If (MM_emptyVal = "none") Then MM_emptyVal = ""
        If (MM_formVal = "") Then
            MM_formVal = MM_emptyVal
        Else
            If (MM_altVal <> "") Then
                MM_formVal = MM_altVal
            ElseIf (MM_delim = "") Then ' escape quotes
                MM_formVal = "" & Replace(MM_formVal,"","") & ""
            Else
                MM_formVal = MM_delim + MM_formVal + MM_delim
            End If
        End If
        If (MM_i <> LBound(MM_fields)) Then
            MM_tableValues = MM_tableValues & ","
            MM_dbValues = MM_dbValues & ","
        End If
        MM_tableValues = MM_tableValues & MM_columns(MM_i)
        MM_dbValues = MM_dbValues & MM_formVal
    Next
    MM_editQuery = "insert into " & MM_editTable & " (" & MM_tableValues &
") values (" & MM_dbValues & ")"

```

```

If (Not MM_abortEdit) Then
    ' execute the insert
    Set MM_editCmd = Server.CreateObject("ADODB.Command")
    MM_editCmd.ActiveConnection = MM_editConnection
    MM_editCmd.CommandText = MM_editQuery
    MM_editCmd.Execute
    MM_editCmd.ActiveConnection.Close

    If (MM_editRedirectUrl <> "") Then
        Response.Redirect(MM_editRedirectUrl)
    End If
End If

End If
%>
<%
Dim rs_course__MMColParam
rs_course__MMColParam = "1"
If (Request.QueryString("courseid") <> "") Then
    rs_course__MMColParam = Request.QueryString("courseid")
End If
%>
<%
Dim rs_course
Dim rs_course_numRows

Set rs_course = Server.CreateObject("ADODB.Recordset")
rs_course.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_course.Source = "SELECT * FROM Course WHERE courseid = " +
Replace(rs_course__MMColParam, "'", "''") + "'"
rs_course.CursorType = 0
rs_course.CursorLocation = 2
rs_course.LockType = 1
rs_course.Open()

rs_course_numRows = 0
%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Insert Subject to Course</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">

```



```

<!--
a:link {
    color: #CC3300;
}
a:visited {
    color: #CC3399;
}
a:hover {
    color: #000066;
}
a:active {
    color: #339900;
}
.style1 {color: #CC3300}
-->
</style>
<script language="JavaScript" type="text/JavaScript">
<!--
function MM_findObj(n, d) { //v4.01
    var p,i,x;  if(!d) d=document; if((p=n.indexOf("?"))>0&&parent.frames.length)
{
    d=parent.frames[n.substring(p+1)].document; n=n.substring(0,p);}
    if(!(x=d[n])&&d.all)    x=d.all[n];    for    (i=0;!x&&i<d.forms.length;i++)
x=d.forms[i][n];
    for(i=0;!x&&d.layers&&i<d.layers.length;i++)
x=MM_findObj(n,d.layers[i].document);
    if(!x && d.getElementById) x=d.getElementById(n); return x;
}

function MM_validateForm() { //v4.0
    var i,p,q,nm,test,num,min,max,errors="",args=MM_validateForm.arguments;
    for (i=0; i<(args.length-2); i+=3) { test=args[i+2]; val=MM_findObj(args[i]);
    if (val) { nm=val.name; if ((val=val.value)!="") {
        if (test.indexOf('isEmail')!=-1) { p=val.indexOf('@');
            if (p<1 || p==(val.length-1)) errors+='- '+nm+' must contain an e-mail
address.\n';
        } else if (test!='R') { num = parseFloat(val);
            if (isNaN(val)) errors+='- '+nm+' must contain a number.\n';
            if (test.indexOf('inRange') != -1) { p=test.indexOf(':');
                min=test.substring(8,p); max=test.substring(p+1);
                if (num<min || max<num) errors+='- '+nm+' must contain a number
between '+min+' and '+max+'.\n';
            } } } else if (test.charAt(0) == 'R') errors += '- '+nm+' is required.\n'; }
    } if (errors) alert('The following error(s) occurred:\n'+errors);
    document.MM_returnValue = (errors == "");
}

```

```

//-->
</script>
</head>
<body
onload="MM_validateForm('subjectName2','R','subjectDescription','R');return
document.MM_returnValue">
  <table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
    <tr>
      <td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
        <tr>
          <td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
        </td>
      </tr>
    </table></td>
  </tr>
  <tr>
    <td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
      <tr>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
          <param name="movie" value="button2.swf" />
          <param name="quality" value="high" />
          <param name="bgcolor" value="#DEDEBC" />
          <embed
src="button2.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
        </object></td>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
          <param name="movie" value="button1.swf" />
          <param name="quality" value="high" />
          <param name="bgcolor" value="#DEDEBC" />
          <embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>
        </object></td>
      </tr>
    </table>
  </tr>

```

```
 <object classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000" codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver sion=5,0,0,0" width="100" height="23">     <param name="movie" value="button3.swf" />     <param name="quality" value="high" />     <param name="bgcolor" value="#DEDEBC" />     <embed src="button3.swf" quality="high" pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23" bgcolor="#DEDEBC"></embed> </object></td>  <object classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000" codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver sion=5,0,0,0" width="100" height="23">     <param name="movie" value="button4.swf" />     <param name="quality" value="high" />     <param name="bgcolor" value="#DEDEBC" />     <embed src="button4.swf" quality="high" pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23" bgcolor="#DEDEBC"></embed> </object></td>  <object classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000" codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver sion=5,0,0,0" width="103" height="24">     <param name="movie" value="button5.swf" />     <param name="quality" value="high" />     <param name="bgcolor" value="#DEDEBC" />     <embed src="button5.swf" quality="high" pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24" bgcolor="#DEDEBC"></embed> </object></td> </tr> </table></td> </tr> <tr>  <hr /> <h3 align="center"> Insert Subject into :<span class="style1"><%=rs_course.Fields.Item("courseCode").Value)%></span> &nbsp;Course</h3> <hr /> <form ACTION="<%=MM_editAction%>" METHOD="POST" name="form1" id="form1"> <table width="95%" border="1" cellspacing="0" cellpadding="3"> | | | |
```

```

        <tr>
            <td width="24%">Subject Name </td>
            <td width="76%"><input name="subjectName" type="text"
id="subjectName2" /></td>
        </tr>
        <tr>
            <td>Subject Description </td>
            <td><textarea name="subjectDescription" cols="50"
id="subjectDescription"></textarea></td>
        </tr>
        <tr>
            <td><input name="courseid" type="hidden" id="courseid" value="<%=
Request.QueryString("courseid") %>" /></td>
            <td><input type="submit" name="Submit" value="Submit" /></td>
        </tr>
    </table>
    <input type="hidden" name="MM_insert" value="form1">
    </form>    <p align="left">&nbsp;</p></td>
</tr>
<tr>
    <td>&nbsp;</td>
</tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>
<%
rs_course.Close()
Set rs_course = Nothing
%>

```

6. Form_Add_Topic.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
' *** Restrict Access To Page: Grant or deny access to this page
MM_authorizedUsers="admin,professor"
MM_authFailedURL="login.asp"
MM_grantAccess=false
If Session("MM_Username") <> "" Then
    If (false Or CStr(Session("MM_UserAuthorization"))="") Or _
        (InStr(1,MM_authorizedUsers,Session("MM_UserAuthorization"))>=1)
Then
    MM_grantAccess = true
    End If
End If
If Not MM_grantAccess Then
    MM_qsChar = "?"
    If (InStr(1,MM_authFailedURL,"?") >= 1) Then MM_qsChar = "&"
    MM_referrer = Request.ServerVariables("URL")
    if (Len(Request.QueryString()) > 0) Then MM_referrer = MM_referrer & "?" &
Request.QueryString()
    MM_authFailedURL = MM_authFailedURL & MM_qsChar & "accessdenied="
& Server.URLEncode(MM_referrer)
    Response.Redirect(MM_authFailedURL)
End If
%>
<%
' *** Edit Operations: declare variables

Dim MM_editAction
Dim MM_abortEdit
Dim MM_editQuery
Dim MM_editCmd

Dim MM_editConnection
Dim MM_editTable
Dim MM_editRedirectUrl
Dim MM_editColumn
Dim MM_recordId

Dim MM_fieldsStr
Dim MM_columnsStr
Dim MM_fields
Dim MM_columns
```

```

Dim MM_typeArray
Dim MM_formVal
Dim MM_delim
Dim MM_altVal
Dim MM_emptyVal
Dim MM_i

MM_editAction = CStr(Request.ServerVariables("SCRIPT_NAME"))
If (Request.QueryString <> "") Then
    MM_editAction = MM_editAction & "?" &
Server.HTMLEncode(Request.QueryString)
End If

' boolean to abort record edit
MM_abortEdit = false

' query string to execute
MM_editQuery = ""
%>
<%
' *** Insert Record: set variables

If (CStr(Request("MM_insert")) = "frm_topic") Then

    MM_editConnection = MM_conn_DistanceLearning_STRING
    MM_editTable = "Topic"
    MM_editRedirectUrl = "Form_Topic_Master.asp"
    MM_fieldsStr = "topicName|value|topicDescription|value|subjectid|value"
    MM_columnsStr =
"topicName|,none,|topicDescription|,none,|subjectid|none,none,NULL"

    ' create the MM_fields and MM_columns arrays
    MM_fields = Split(MM_fieldsStr, "|")
    MM_columns = Split(MM_columnsStr, "|")

    ' set the form values
    For MM_i = LBound(MM_fields) To UBound(MM_fields) Step 2
        MM_fields(MM_i+1) = CStr(Request.Form(MM_fields(MM_i)))
    Next

    ' append the query string to the redirect URL
    If (MM_editRedirectUrl <> "" And Request.QueryString <> "") Then
        If (InStr(1, MM_editRedirectUrl, "?", vbTextCompare) = 0 And
Request.QueryString <> "") Then
            MM_editRedirectUrl = MM_editRedirectUrl & "?" & Request.QueryString
        Else

```

```

        MM_editRedirectUrl = MM_editRedirectUrl & "&" & Request.QueryString
    End If
End If

End If
%>
<%
' *** Insert Record: construct a sql insert statement and execute it

Dim MM_tableValues
Dim MM_dbValues

If (CStr(Request("MM_insert")) <> "") Then

    ' create the sql insert statement
    MM_tableValues = ""
    MM_dbValues = ""
    For MM_i = LBound(MM_fields) To UBound(MM_fields) Step 2
        MM_formVal = MM_fields(MM_i+1)
        MM_typeArray = Split(MM_columns(MM_i+1),",")
        MM_delim = MM_typeArray(0)
        If (MM_delim = "none") Then MM_delim = ""
        MM_altVal = MM_typeArray(1)
        If (MM_altVal = "none") Then MM_altVal = ""
        MM_emptyVal = MM_typeArray(2)
        If (MM_emptyVal = "none") Then MM_emptyVal = ""
        If (MM_formVal = "") Then
            MM_formVal = MM_emptyVal
        Else
            If (MM_altVal <> "") Then
                MM_formVal = MM_altVal
            ElseIf (MM_delim = "") Then ' escape quotes
                MM_formVal = "" & Replace(MM_formVal,"","") & ""
            Else
                MM_formVal = MM_delim + MM_formVal + MM_delim
            End If
        End If
        If (MM_i <> LBound(MM_fields)) Then
            MM_tableValues = MM_tableValues & ","
            MM_dbValues = MM_dbValues & ","
        End If
        MM_tableValues = MM_tableValues & MM_columns(MM_i)
        MM_dbValues = MM_dbValues & MM_formVal
    Next
    MM_editQuery = "insert into " & MM_editTable & " (" & MM_tableValues &
") values (" & MM_dbValues & ")"

```

```

If (Not MM_abortEdit) Then
    ' execute the insert
    Set MM_editCmd = Server.CreateObject("ADODB.Command")
    MM_editCmd.ActiveConnection = MM_editConnection
    MM_editCmd.CommandText = MM_editQuery
    MM_editCmd.Execute
    MM_editCmd.ActiveConnection.Close

    If (MM_editRedirectUrl <> "") Then
        Response.Redirect(MM_editRedirectUrl)
    End If
End If

End If
%>
<%
Dim rs_subject__MMColParam
rs_subject__MMColParam = "1"
If (Request.QueryString("subjectid") <> "") Then
    rs_subject__MMColParam = Request.QueryString("subjectid")
End If
%>
<%
Dim rs_subject
Dim rs_subject_numRows

Set rs_subject = Server.CreateObject("ADODB.Recordset")
rs_subject.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_subject.Source = "SELECT * FROM Subject WHERE subjectid = " +
Replace(rs_subject__MMColParam, "'", "''") + "'"
rs_subject.CursorType = 0
rs_subject.CursorLocation = 2
rs_subject.LockType = 1
rs_subject.Open()

rs_subject_numRows = 0
%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning:Insert Topic to Subject</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">

```



```

<!--
a:link {
    color: #CC3300;
}
a:visited {
    color: #CC3399;
}
a:hover {
    color: #000066;
}
a:active {
    color: #339900;
}
.style1 {color: #CC3300}
.style2 {color: #3300CC}
-->
</style>
</head>
<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
<tr>
<td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
</td>
</tr>
</table></td>
</tr>
<tr>
<td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
<tr>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
<param name="movie" value="button2.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />
<embed
src="button2.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>

```

```

</object></td>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
<param name="movie" value="button1.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />
<embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>
</object></td>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
<param name="movie" value="button3.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />
<embed src="button3.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
</object></td>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
<param name="movie" value="button4.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />
<embed src="button4.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
</object></td>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
<param name="movie" value="button5.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />
<embed src="button5.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve

```

```

rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
</object></td>
</tr>
</table></td>
</tr>
<tr>
<td><hr /> <h3 align="center"> Insert Topic to: <span
class="style1"><%=rs_subject.Fields.Item("subjectName").Value%>&nbsp;<span
class="style2">Subject</span></span></h3>
<hr />
<form name="frm_topic" id="frm_topic" method="POST"
action="<%=MM_editAction%>">
<table width="95%" border="1" cellspacing="0" cellpadding="3">
<tr>
<td>Topic Name </td>
<td><input name="topicName" type="text" id="topicName" size="60"
/></td>
</tr>
<tr>
<td>Topic Description </td>
<td><textarea name="topicDescription" cols="60" rows="5"
id="topicDescription"></textarea></td>
</tr>
<tr>
<td><input name="subjectid" type="hidden" id="subjectid" value="<%=
Request.QueryString("subjectid") %>" /></td>
<td><input name="Submit" type="submit" value="Insert" /></td>
</tr>
</table>

<input type="hidden" name="MM_insert" value="frm_topic">
</form> <p align="left">&nbsp;</p></td>
</tr>
<tr>
<td>&nbsp;</td>
</tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>
<%
rs_subject.Close()
Set rs_subject = Nothing
%>

```

7. Form_Course_Master.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
' *** Restrict Access To Page: Grant or deny access to this page
MM_authorizedUsers="admin,professor"
MM_authFailedURL="login.asp"
MM_grantAccess=false
If Session("MM_Username") <> "" Then
    If (false Or CStr(Session("MM_UserAuthorization"))="") Or _
        (InStr(1,MM_authorizedUsers,Session("MM_UserAuthorization"))>=1)
Then
    MM_grantAccess = true
    End If
End If
If Not MM_grantAccess Then
    MM_qsChar = "?"
    If (InStr(1,MM_authFailedURL,"?") >= 1) Then MM_qsChar = "&"
    MM_referrer = Request.ServerVariables("URL")
    if (Len(Request.QueryString()) > 0) Then MM_referrer = MM_referrer & "?" &
Request.QueryString()
    MM_authFailedURL = MM_authFailedURL & MM_qsChar & "accessdenied="
& Server.URLEncode(MM_referrer)
    Response.Redirect(MM_authFailedURL)
End If
%>
<%
Dim searchMethod

searchMethod = Request.QueryString("radiobutton")
If searchMethod = 1 Then
    Response.Redirect("Keyword_Request.asp")

End If

%>
<%
Dim Courses
Dim Courses_numRows

Set Courses = Server.CreateObject("ADODB.Recordset")
Courses.ActiveConnection = MM_conn_DistanceLearning_STRING
Courses.Source = "SELECT courseid, courseCode, courseName FROM Course
ORDER BY courseCode ASC"
Courses.CursorType = 0
```

```

Courses.CursorLocation = 2
Courses.LockType = 1
Courses.Open()

Courses_numRows = 0
%>
<%
Dim rs_welcome__MMColParam
rs_welcome__MMColParam = "1"
If (Session("MM_Username") <> "") Then
    rs_welcome__MMColParam = Session("MM_Username")
End If
%>
<%
Dim rs_welcome
Dim rs_welcome_numRows

Set rs_welcome = Server.CreateObject("ADODB.Recordset")
rs_welcome.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_welcome.Source = "SELECT firstName FROM User WHERE userName = '"
+ Replace(rs_welcome__MMColParam, "'", "''") + "'"
rs_welcome.CursorType = 0
rs_welcome.CursorLocation = 2
rs_welcome.LockType = 1
rs_welcome.Open()

rs_welcome_numRows = 0
%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Course Request</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
.style3 {color: #336600}
.style4 {color: #FF0000}
.style5 {color: #3300CC}
-->
</style>
</head>
<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">

```

```

        <tr>
        <td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
        <tr>
        <td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
        </td>
        </tr>
        </table></td>
        </tr>
        <tr>
        <td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
        <tr>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
        <param name="movie" value="button2.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button2.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
        </object></td>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
        <param name="movie" value="button1.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>
        </object></td>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
        <param name="movie" value="button3.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />

```

```

                <embed
                    src="button3.swf"
                    quality="high"
                    pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
                    bgcolor="#DEDEBC"></embed>
            </object></td>
            <td
                width="14%"
                bgcolor="#DEDEBC"><object
                    classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
                    codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
                        <param name="movie" value="button4.swf" />
                        <param name="quality" value="high" />
                        <param name="bgcolor" value="#DEDEBC" />
                        <embed
                            src="button4.swf"
                            quality="high"
                            pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
                            bgcolor="#DEDEBC"></embed>
                    </object></td>
            <td
                width="14%"
                bgcolor="#DEDEBC"><object
                    classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
                    codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
                        <param name="movie" value="button5.swf" />
                        <param name="quality" value="high" />
                        <param name="bgcolor" value="#DEDEBC" />
                        <embed
                            src="button5.swf"
                            quality="high"
                            pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
                            bgcolor="#DEDEBC"></embed>
                    </object></td>
        </tr>
    </table></td>
</tr>
<tr>
    <td><hr />
        <h3 align="center" class="style4"><span
class="style5">Welcome</span>&nbsp;<%=rs_welcome.Fields.Item("firstName").Valu
e)%>!</h3>
        <h3 align="center"><span class="style3">Course</span> Master Form </h3>
        <hr />
    </td>
</tr>
<tr>
    <td><form
        name="frmCourse"
        id="frmCourse"
        method="get"
        action="Form_Subject_Master.asp">
        <div align="center">
            <table width="95%" border="1" cellspacing="0" cellpadding="3">
                <tr>
                    <td width="44%"><div align="left">

```

```

        <p><strong> Existing Course Content
        </strong><br />(Insert, Modify, Delete content ONLY)<strong> <br />
        </strong></p>
    </div></td>
    <td width="56%"><div align="left">
        <select name="courseid" id="courseid">
            <%
While (NOT Courses.EOF)
%>
                <option
value="<%= (Courses.Fields.Item("courseid").Value)%>"><%= (Courses.Fields.Item("co
urseCode").Value)%></option>
                <%
                Courses.MoveNext()
            Wend
            If (Courses.CursorType > 0) Then
                Courses.MoveFirst
            Else
                Courses.Requery
            End If
            %>
                </select>
                <input type="submit" name="Submit" value="Continue" />
            </div></td>
        </tr>
    </table>
</div>
</form>
<form name="form1" id="form1" method="post"
action="Form_Add_New_Course.asp">
    <table width="95%" border="1" align="center" cellpadding="3"
cellspacing="0">
        <tr>
            <td width="44%"><strong>Insert New Course Record
            </strong><br />(Course Name, Description & Code)
            <br />
            <td width="56%">
                <input type="submit" name="Submit5"
value="Insert" /></td></tr>
        </table>
    </form>
    <form name="form2" id="form2" method="get"
action="Form_Update_Course.asp">
        <table width="95%" border="1" align="center" cellpadding="3"
cellspacing="0">
            <tr>
                <td width="44%"><strong>Update Existing Course Record

```



```

        </strong><br />(Course Name, Description & Code) </td>
        <td width="56%"><select name="courseid" id="courseid">
            <%
While (NOT Courses.EOF)
%>
                <option
value="<%= (Courses.Fields.Item("courseid").Value)%>"><%= (Courses.Fields.Item("courseCode").Value)%></option>
            <%
                Courses.MoveNext()
            Wend
            If (Courses.CursorType > 0) Then
                Courses.MoveFirst
            Else
                Courses.Requery
            End If
        %>
        </select>
        <input type="submit" name="Submit2" value="Update" /></td>
    </tr>
</table>
</form>
<form name="form3" id="form3" method="get"
action="Form_Delete_Course.asp">
    <table width="95%" border="1" align="center" cellpadding="3"
cellspacing="0">
        <tr>
            <td width="44%"><strong>Delete Existing Course Record
            </strong><br /> (Course Name, Description & Code) </td>
            <td width="56%"><select name="courseid" id="courseid">
                <%
While (NOT Courses.EOF)
%>
                    <option
value="<%= (Courses.Fields.Item("courseid").Value)%>"><%= (Courses.Fields.Item("courseCode").Value)%></option>
                <%
                    Courses.MoveNext()
                Wend
                If (Courses.CursorType > 0) Then
                    Courses.MoveFirst
                Else
                    Courses.Requery
                End If
            %>
            </select>

```

```

        <input type="submit" name="Submit3" value="Delete" /></td>
    </tr>
</table>
</form>
<p>&nbsp;</p>
<p>&nbsp;</p>
<p>&nbsp;</p>
<p>&nbsp;</p></td>
</tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>
<%
Courses.Close()
Set Courses = Nothing
%>
<%
rs_welcome.Close()
Set rs_welcome = Nothing
%>

```

8. Form_Delete_Category.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
' *** Restrict Access To Page: Grant or deny access to this page
MM_authorizedUsers="admin"
MM_authFailedURL="login.asp"
MM_grantAccess=false
If Session("MM_Username") <> "" Then
    If (false Or CStr(Session("MM_UserAuthorization"))="") Or _
        (InStr(1,MM_authorizedUsers,Session("MM_UserAuthorization"))>=1)
Then
    MM_grantAccess = true
    End If
End If
If Not MM_grantAccess Then
    MM_qsChar = "?"
    If (InStr(1,MM_authFailedURL,"?") >= 1) Then MM_qsChar = "&"
    MM_referrer = Request.ServerVariables("URL")
    if (Len(Request.QueryString()) > 0) Then MM_referrer = MM_referrer & "?" &
Request.QueryString()
    MM_authFailedURL = MM_authFailedURL & MM_qsChar & "accessdenied="
& Server.URLEncode(MM_referrer)
    Response.Redirect(MM_authFailedURL)
End If
%>
<%
' *** Edit Operations: declare variables

Dim MM_editAction
Dim MM_abortEdit
Dim MM_editQuery
Dim MM_editCmd

Dim MM_editConnection
Dim MM_editTable
Dim MM_editRedirectUrl
Dim MM_editColumn
Dim MM_recordId

Dim MM_fieldsStr
Dim MM_columnsStr
Dim MM_fields
Dim MM_columns
Dim MM_typeArray
```

```

Dim MM_formVal
Dim MM_delim
Dim MM_altVal
Dim MM_emptyVal
Dim MM_i

MM_editAction = CStr(Request.ServerVariables("SCRIPT_NAME"))
If (Request.QueryString <> "") Then
    MM_editAction = MM_editAction & "?" &
Server.HTMLEncode(Request.QueryString)
End If

' boolean to abort record edit
MM_abortEdit = false

' query string to execute
MM_editQuery = ""
%>
<%
' *** Delete Record: declare variables

If (CStr(Request("MM_delete")) = "form1" And CStr(Request("MM_recordId")))
<> "" ) Then

    MM_editConnection = MM_conn_DistanceLearning_STRING
    MM_editTable = "Category"
    MM_editColumn = "categoryid"
    MM_recordId = "" + Request.Form("MM_recordId") + ""
    MM_editRedirectUrl = "Form_Master_Category.asp"

    ' append the query string to the redirect URL
    If (MM_editRedirectUrl <> "" And Request.QueryString <> "") Then
        If (InStr(1, MM_editRedirectUrl, "?", vbTextCompare) = 0 And
Request.QueryString <> "") Then
            MM_editRedirectUrl = MM_editRedirectUrl & "?" & Request.QueryString
        Else
            MM_editRedirectUrl = MM_editRedirectUrl & "&" & Request.QueryString
        End If
    End If

End If
%>
<%
' *** Delete Record: construct a sql delete statement and execute it

```

```

        If (CStr(Request("MM_delete")) <> "" And CStr(Request("MM_recordId")) <>
        "") Then

            ' create the sql delete statement
            MM_editQuery = "delete from " & MM_editTable & " where " &
            MM_editColumn & " = " & MM_recordId

            If (Not MM_abortEdit) Then
                ' execute the delete
                Set MM_editCmd = Server.CreateObject("ADODB.Command")
                MM_editCmd.ActiveConnection = MM_editConnection
                MM_editCmd.CommandText = MM_editQuery
                MM_editCmd.Execute
                MM_editCmd.ActiveConnection.Close

                If (MM_editRedirectUrl <> "") Then
                    Response.Redirect(MM_editRedirectUrl)
                End If
            End If

        End If

        %>
        <%
        Dim rs_category__MMColParam
        rs_category__MMColParam = "1"
        If (Request.QueryString("categoryid") <> "") Then
            rs_category__MMColParam = Request.QueryString("categoryid")
        End If
        %>
        <%
        Dim rs_category
        Dim rs_category_numRows

        Set rs_category = Server.CreateObject("ADODB.Recordset")
        rs_category.ActiveConnection = MM_conn_DistanceLearning_STRING
        rs_category.Source = "SELECT * FROM Category WHERE categoryid = " +
        Replace(rs_category__MMColParam, "'", "''") + ""
        rs_category.CursorType = 0
        rs_category.CursorLocation = 2
        rs_category.LockType = 1
        rs_category.Open()

        rs_category_numRows = 0
        %>
        <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
        "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

```

```

<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Delete Category Form</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
a:link {
    color: #CC3300;
}
a:visited {
    color: #CC3399;
}
a:hover {
    color: #000066;
}
a:active {
    color: #339900;
}
.style1 {color: #CC0000}
.style2 {color: #FF0000}
.style3 {
    color: #336633;
    font-weight: bold;
}
-->
</style>
<script language="JavaScript" type="text/JavaScript">
<!--
function MM_goToURL() { //v3.0
    var i, args=MM_goToURL.arguments; document.MM_returnValue = false;
    for (i=0; i<(args.length-1); i+=2) eval(args[i]+".location='"+args[i+1]+'";');
}
//-->
</script>
</head>
<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
<tr>
<td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
</td>

```

```

        </tr>
    </table></td>
</tr>
<tr>
    <td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
        <tr>
            <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
                <param name="movie" value="button2.swf" />
                <param name="quality" value="high" />
                <param name="bgcolor" value="#DEDEBC" />
                <embed
                    src="button2.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
                    bgcolor="#DEDEBC"></embed>
            </object></td>
            <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
                <param name="movie" value="button1.swf" />
                <param name="quality" value="high" />
                <param name="bgcolor" value="#DEDEBC" />
                <embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>
            </object></td>
            <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
                <param name="movie" value="button3.swf" />
                <param name="quality" value="high" />
                <param name="bgcolor" value="#DEDEBC" />
                <embed
                    src="button3.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
                    bgcolor="#DEDEBC"></embed>
            </object></td>
            <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"

```

```

codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
    <param name="movie" value="button4.swf" />
    <param name="quality" value="high" />
    <param name="bgcolor" value="#DEDEBC" />
    <embed
        src="button4.swf"
        quality="high"
        pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
        bgcolor="#DEDEBC"></embed>
    </object></td>
    <td
        width="14%"
        bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
    <param name="movie" value="button5.swf" />
    <param name="quality" value="high" />
    <param name="bgcolor" value="#DEDEBC" />
    <embed
        src="button5.swf"
        quality="high"
        pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
        bgcolor="#DEDEBC"></embed>
    </object></td>
</tr>
</table></td>
</tr>
<tr>
    <td><hr />
    <h3 align="center"> Delete Category Record: <span
class="style1"><%=rs_category.Fields.Item("categoryName").Value)%></span></h3>
    <hr />
    <p align="center"><span class="style2">***Are you sure you want to Delete
the
        Category
        Record:</span>
        <span
class="style3"><%=rs_category.Fields.Item("categoryName").Value)%></span>
        ?<span class="style2">***</span> </p>
    <p align="center">
        <input
            name="Submit2"
            type="submit"
            onclick="MM_goToURL('parent','Form_Master_Category.asp');return
document.MM_returnValue" value="Cancel" />
    </p>
    <form name="form1" id="form1" method="POST"
action="<%=MM_editAction%>">
        <table width="95%" border="1" align="center" cellpadding="3"
cellspacing="0">
            <tr>
                <td>Category Name </td>
                <td><input name="categoryName" type="text" id="categoryName"
value="<%=rs_category.Fields.Item("categoryName").Value)%>" size="60" /></td>
            </tr>

```



```

        <tr>
            <td>Category Description </td>
            <td><textarea    name="categoryDescription"    cols="60"    rows="5"
id="categoryDescription"><%=rs_category.Fields.Item("categoryDescription").Value)%
></textarea></td>
        </tr>
        <tr>
            <td>&nbsp;</td>
            <td><input type="submit" name="Submit" value="Delete" /></td>
        </tr>
    </table>

        <input type="hidden" name="MM_delete" value="form1">
        <input        type="hidden"        name="MM_recordId"        value="<%=
rs_category.Fields.Item("categoryid").Value %>">
    </form>    <p align="left">&nbsp;</p></td>
</tr>
<tr>
    <td>&nbsp;</td>
</tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>
<%
rs_category.Close()
Set rs_category = Nothing
%>

```

9. Form_Delete_Course.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
' *** Restrict Access To Page: Grant or deny access to this page
MM_authorizedUsers="admin,professor"
MM_authFailedURL="login.asp"
MM_grantAccess=false
If Session("MM_Username") <> "" Then
    If (false Or CStr(Session("MM_UserAuthorization"))="") Or _
        (InStr(1,MM_authorizedUsers,Session("MM_UserAuthorization"))>=1)
Then
    MM_grantAccess = true
    End If
End If
If Not MM_grantAccess Then
    MM_qsChar = "?"
    If (InStr(1,MM_authFailedURL,"?") >= 1) Then MM_qsChar = "&"
    MM_referrer = Request.ServerVariables("URL")
    if (Len(Request.QueryString()) > 0) Then MM_referrer = MM_referrer & "?" &
Request.QueryString()
    MM_authFailedURL = MM_authFailedURL & MM_qsChar & "accessdenied="
& Server.URLEncode(MM_referrer)
    Response.Redirect(MM_authFailedURL)
End If
%>
<%
' *** Edit Operations: declare variables

Dim MM_editAction
Dim MM_abortEdit
Dim MM_editQuery
Dim MM_editCmd

Dim MM_editConnection
Dim MM_editTable
Dim MM_editRedirectUrl
Dim MM_editColumn
Dim MM_recordId

Dim MM_fieldsStr
Dim MM_columnsStr
Dim MM_fields
Dim MM_columns
Dim MM_typeArray
```

```

Dim MM_formVal
Dim MM_delim
Dim MM_altVal
Dim MM_emptyVal
Dim MM_i

MM_editAction = CStr(Request.ServerVariables("SCRIPT_NAME"))
If (Request.QueryString <> "") Then
    MM_editAction = MM_editAction & "?" &
Server.HTMLEncode(Request.QueryString)
End If

' boolean to abort record edit
MM_abortEdit = false

' query string to execute
MM_editQuery = ""
%>
<%
' *** Delete Record: declare variables

If (CStr(Request("MM_delete")) = "form1" And CStr(Request("MM_recordId"))
<> "") Then

    MM_editConnection = MM_conn_DistanceLearning_STRING
    MM_editTable = "Course"
    MM_editColumn = "courseid"
    MM_recordId = "" + Request.Form("MM_recordId") + ""
    MM_editRedirectUrl = "Form_Course_Master.asp"

    ' append the query string to the redirect URL
    If (MM_editRedirectUrl <> "" And Request.QueryString <> "") Then
        If (InStr(1, MM_editRedirectUrl, "?", vbTextCompare) = 0 And
Request.QueryString <> "") Then
            MM_editRedirectUrl = MM_editRedirectUrl & "?" & Request.QueryString
        Else
            MM_editRedirectUrl = MM_editRedirectUrl & "&" & Request.QueryString
        End If
    End If

End If
%>
<%
' *** Delete Record: construct a sql delete statement and execute it

```

```

        If (CStr(Request("MM_delete")) <> "" And CStr(Request("MM_recordId")) <>
        "") Then

            ' create the sql delete statement
            MM_editQuery = "delete from " & MM_editTable & " where " &
            MM_editColumn & " = " & MM_recordId

            If (Not MM_abortEdit) Then
                ' execute the delete
                Set MM_editCmd = Server.CreateObject("ADODB.Command")
                MM_editCmd.ActiveConnection = MM_editConnection
                MM_editCmd.CommandText = MM_editQuery
                MM_editCmd.Execute
                MM_editCmd.ActiveConnection.Close

                If (MM_editRedirectUrl <> "") Then
                    Response.Redirect(MM_editRedirectUrl)
                End If
            End If

        End If

        %>
        <%
        Dim rs_course__MMColParam
        rs_course__MMColParam = "1"
        If (Request.QueryString("courseid") <> "") Then
            rs_course__MMColParam = Request.QueryString("courseid")
        End If
        %>
        <%
        Dim rs_course
        Dim rs_course_numRows

        Set rs_course = Server.CreateObject("ADODB.Recordset")
        rs_course.ActiveConnection = MM_conn_DistanceLearning_STRING
        rs_course.Source = "SELECT * FROM Course WHERE courseid = " +
        Replace(rs_course__MMColParam, "'", "''") + "'"
        rs_course.CursorType = 0
        rs_course.CursorLocation = 2
        rs_course.LockType = 1
        rs_course.Open()

        rs_course_numRows = 0
        %>
        <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
        "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

```

```

<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Delete Course</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
a:link {
    color: #CC3300;
}
a:visited {
    color: #CC3399;
}
a:hover {
    color: #000066;
}
a:active {
    color: #339900;
}
.style1 {color: #CC3300}
-->
</style>
<script language="JavaScript" type="text/JavaScript">
<!--
function MM_goToURL() { //v3.0
    var i, args=MM_goToURL.arguments; document.MM_returnValue = false;
    for (i=0; i<(args.length-1); i+=2) eval(args[i]+".location='"+args[i+1]+'";');
}
//-->
</script>
</head>
<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
<tr>
<td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
</td>
</tr>
</table></td>
</tr>
</table>

```

```

        <td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
        <tr>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
        <param name="movie" value="button2.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button2.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
        </object></td>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
        <param name="movie" value="button1.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>
        </object></td>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
        <param name="movie" value="button3.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button3.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
        </object></td>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
        <param name="movie" value="button4.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />

```

```

                <embed
                    src="button4.swf"
                    quality="high"
                    pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
                    bgcolor="#DEDEBC"></embed>
            </object></td>
            <td
                width="14%"
                bgcolor="#DEDEBC"><object
                    classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
                    codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
                <param name="movie" value="button5.swf" />
                <param name="quality" value="high" />
                <param name="bgcolor" value="#DEDEBC" />
                <embed
                    src="button5.swf"
                    quality="high"
                    pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
                    bgcolor="#DEDEBC"></embed>
            </object></td>
        </tr>
    </table></td>
</tr>
<tr>
    <td><hr /> <h3 align="center"> Delete Course Record </h3>
        <hr /> <p align="center" class="style1">***Are you sure you want to
Delete the <strong><%=rs_course.Fields.Item("courseCode").Value)%> </strong>
Course?*** </p>
        <p align="center" class="style1">
            <input
                name="Submit2"
                type="button"
                onclick="MM_goToURL('parent','Form_Course_Master.asp');return
document.MM_returnValue" value="Cancel" />
        </p>
        <form
            ACTION="<%=MM_editAction%>"
            METHOD="POST"
            name="form1" id="form1">
            <table width="95%" border="1" cellspacing="0" cellpadding="3">
                <tr>
                    <td>Course Code </td>
                    <td><input
                        name="courseCode"
                        type="text"
                        id="courseCode"
                        value="<%=rs_course.Fields.Item("courseCode").Value)%>" /></td>
                </tr>
                <tr>
                    <td>Course Name </td>
                    <td><input
                        name="courseName"
                        type="text"
                        id="courseName"
                        value="<%=rs_course.Fields.Item("courseName").Value)%>" /></td>
                </tr>
                <tr>
                    <td>Course Description </td>

```

```

        <td><textarea                name="courseDescription"                cols="50"
id="courseDescription"><%=rs_course.Fields.Item("courseDescription").Value)%></te
xtarea></td>
    </tr>
    <tr>
        <td>&nbsp;</td>
        <td><input name="Submit" type="submit" value="Delete" /></td>
    </tr>
</table>
<input type="hidden" name="MM_delete" value="form1">
<input                type="hidden"                name="MM_recordId"                value="<%=
rs_course.Fields.Item("courseid").Value %>">
</form>    <p align="left">&nbsp;</p></td>
</tr>
<tr>
    <td>&nbsp;</td>
</tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>
<%
rs_course.Close()
Set rs_course = Nothing
%>

```


10. Form_Delete_Image.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
' *** Restrict Access To Page: Grant or deny access to this page
MM_authorizedUsers="admin,professor"
MM_authFailedURL="login.asp"
MM_grantAccess=false
If Session("MM_Username") <> "" Then
    If (false Or CStr(Session("MM_UserAuthorization"))="") Or _
        (InStr(1,MM_authorizedUsers,Session("MM_UserAuthorization"))>=1)
Then
    MM_grantAccess = true
    End If
End If
If Not MM_grantAccess Then
    MM_qsChar = "?"
    If (InStr(1,MM_authFailedURL,"?") >= 1) Then MM_qsChar = "&"
    MM_referrer = Request.ServerVariables("URL")
    if (Len(Request.QueryString()) > 0) Then MM_referrer = MM_referrer & "?" &
Request.QueryString()
    MM_authFailedURL = MM_authFailedURL & MM_qsChar & "accessdenied="
& Server.URLEncode(MM_referrer)
    Response.Redirect(MM_authFailedURL)
End If
%>
<%
' *** Edit Operations: declare variables

Dim MM_editAction
Dim MM_abortEdit
Dim MM_editQuery
Dim MM_editCmd

Dim MM_editConnection
Dim MM_editTable
Dim MM_editRedirectUrl
Dim MM_editColumn
Dim MM_recordId

Dim MM_fieldsStr
Dim MM_columnsStr
Dim MM_fields
Dim MM_columns
Dim MM_typeArray
```

```

Dim MM_formVal
Dim MM_delim
Dim MM_altVal
Dim MM_emptyVal
Dim MM_i

MM_editAction = CStr(Request.ServerVariables("SCRIPT_NAME"))
If (Request.QueryString <> "") Then
    MM_editAction = MM_editAction & "?" &
Server.HTMLEncode(Request.QueryString)
End If

' boolean to abort record edit
MM_abortEdit = false

' query string to execute
MM_editQuery = ""
%>
<%
' *** Delete Record: declare variables

If (CStr(Request("MM_delete")) = "form1" And CStr(Request("MM_recordId")))
<> "" ) Then

    MM_editConnection = MM_conn_DistanceLearning_STRING
    MM_editTable = "Graphic"
    MM_editColumn = "graphicid"
    MM_recordId = "" + Request.Form("MM_recordId") + ""
    MM_editRedirectUrl = "Form_Image_Master.asp"

    ' append the query string to the redirect URL
    If (MM_editRedirectUrl <> "" And Request.QueryString <> "") Then
        If (InStr(1, MM_editRedirectUrl, "?", vbTextCompare) = 0 And
Request.QueryString <> "") Then
            MM_editRedirectUrl = MM_editRedirectUrl & "?" & Request.QueryString
        Else
            MM_editRedirectUrl = MM_editRedirectUrl & "&" & Request.QueryString
        End If
    End If

End If
%>
<%
' *** Delete Record: construct a sql delete statement and execute it

```

```

        If (CStr(Request("MM_delete")) <> "" And CStr(Request("MM_recordId")) <>
        "") Then

            ' create the sql delete statement
            MM_editQuery = "delete from " & MM_editTable & " where " &
            MM_editColumn & " = " & MM_recordId

            If (Not MM_abortEdit) Then
                ' execute the delete
                Set MM_editCmd = Server.CreateObject("ADODB.Command")
                MM_editCmd.ActiveConnection = MM_editConnection
                MM_editCmd.CommandText = MM_editQuery
                MM_editCmd.Execute
                MM_editCmd.ActiveConnection.Close

                If (MM_editRedirectUrl <> "") Then
                    Response.Redirect(MM_editRedirectUrl)
                End If
            End If

        End If

        %>
        <%
        Dim rs_image__MMColParam
        rs_image__MMColParam = "1"
        If (Request.QueryString("graphicid") <> "") Then
            rs_image__MMColParam = Request.QueryString("graphicid")
        End If
        %>
        <%
        Dim rs_image
        Dim rs_image_numRows

        Set rs_image = Server.CreateObject("ADODB.Recordset")
        rs_image.ActiveConnection = MM_conn_DistanceLearning_STRING
        rs_image.Source = "SELECT * FROM Graphic WHERE graphicid = " +
        Replace(rs_image__MMColParam, "'", "''") + ""
        rs_image.CursorType = 0
        rs_image.CursorLocation = 2
        rs_image.LockType = 1
        rs_image.Open()

        rs_image_numRows = 0
        %>
        <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
        "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

```

```

<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Form Delete Image</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
a:link {
    color: #CC3300;
}
a:visited {
    color: #CC3399;
}
a:hover {
    color: #000066;
}
a:active {
    color: #339900;
}
.style1 {color: #FF0000}
-->
</style>
<script language="JavaScript" type="text/JavaScript">
<!--
function MM_goToURL() { //v3.0
    var i, args=MM_goToURL.arguments; document.MM_returnValue = false;
    for (i=0; i<(args.length-1); i+=2) eval(args[i]+".location='"+args[i+1]+'";');
}
//-->
</script>
</head>
<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
<tr>
<td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
</td>
</tr>
</table></td>
</tr>
<tr>
<td>

```

```

        <td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
        <tr>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
        <param name="movie" value="button2.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button2.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
        </object></td>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
        <param name="movie" value="button1.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>
        </object></td>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
        <param name="movie" value="button3.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button3.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
        </object></td>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
        <param name="movie" value="button4.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />

```

```

                <embed
                    src="button4.swf"
                    quality="high"
                    pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
                    bgcolor="#DEDEBC"></embed>
            </object></td>
            <td
                width="14%"
                bgcolor="#DEDEBC"><object
                    classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
                    codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
                    sion=5,0,0,0" width="103" height="24">
                        <param name="movie" value="button5.swf" />
                        <param name="quality" value="high" />
                        <param name="bgcolor" value="#DEDEBC" />
                        <embed
                            src="button5.swf"
                            quality="high"
                            pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
                            rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
                            bgcolor="#DEDEBC"></embed>
                    </object></td>
        </tr>
    </table></td>
</tr>
<tr>
    <td><hr /> <h3 align="center"> Delete Image Record </h3>
        <hr />
        <p align="center" class="style1">***Are yiu sure you want to Delete the
        <strong><%=rs_image.Fields.Item("graphicName").Value)%> </strong>Image
        Record?*** </p>
        <p align="center">
            <input
                name="Submit"
                type="submit"
                onclick="MM_goToURL('parent','Form_Image_Master.asp?subsectionid=<%=
                Request.QueryString("subsectionid")
                %>');return document.MM_returnValue"
                value="Cancel" />
        </p>
        <form name="form1" id="form1" method="POST"
        action="<%=MM_editAction%>">
            <table width="95%" border="1" cellspacing="0" cellpadding="3">
                <tr>
                    <td width="38%">Image Name </td>
                    <td
                        width="62%"><input
                            name="graphicName"
                            type="text"
                            id="graphicName"
                            value="<%=rs_image.Fields.Item("graphicName").Value)%>"
                            size="60" /></td>
                </tr>
                <tr>
                    <td>Image Description </td>
                    <td><textarea
                        name="graphicDescription"
                        cols="60"
                        rows="5"
                        id="graphicDescription"><%=rs_image.Fields.Item("graphicDescription").Value)%></t
                        extarea></td>
                </tr>
            </table>
        </form>
    </td>
</tr>

```

```

        <tr>
            <td>Image Relative Path </td>
            <td><input    name="graphicPath"    type="text"    id="graphicPath"
value="<%=rs_image.Fields.Item("graphicPath").Value)%>" size="60" /></td>
        </tr>
        <tr>
            <td><input name="author" type="hidden" id="author" value="<%=
Session("MM_Username") %>" />
            <input    name="subsectionid"    type="hidden"    id="subsectionid"
value="<%= Request.QueryString("subsectionid") %>" /></td>
            <td><input type="submit" name="Submit2" value="Submit" /></td>
        </tr>
    </table>

    <input type="hidden" name="MM_delete" value="form1">
    <input    type="hidden"    name="MM_recordId"    value="<%=
rs_image.Fields.Item("graphicid").Value %>">
    </form>    <p align="left">&nbsp;</p></td>
</tr>
<tr>
    <td>&nbsp;</td>
</tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>
<%
rs_image.Close()
Set rs_image = Nothing
%>

```

11. Form_Delete_Subject.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
' *** Restrict Access To Page: Grant or deny access to this page
MM_authorizedUsers="admin,professor"
MM_authFailedURL="login.asp"
MM_grantAccess=false
If Session("MM_Username") <> "" Then
    If (false Or CStr(Session("MM_UserAuthorization"))="") Or _
        (InStr(1,MM_authorizedUsers,Session("MM_UserAuthorization"))>=1)
Then
    MM_grantAccess = true
    End If
End If
If Not MM_grantAccess Then
    MM_qsChar = "?"
    If (InStr(1,MM_authFailedURL,"?") >= 1) Then MM_qsChar = "&"
    MM_referrer = Request.ServerVariables("URL")
    if (Len(Request.QueryString()) > 0) Then MM_referrer = MM_referrer & "?" &
Request.QueryString()
    MM_authFailedURL = MM_authFailedURL & MM_qsChar & "accessdenied="
& Server.URLEncode(MM_referrer)
    Response.Redirect(MM_authFailedURL)
End If
%>
<%
' *** Edit Operations: declare variables

Dim MM_editAction
Dim MM_abortEdit
Dim MM_editQuery
Dim MM_editCmd

Dim MM_editConnection
Dim MM_editTable
Dim MM_editRedirectUrl
Dim MM_editColumn
Dim MM_recordId

Dim MM_fieldsStr
Dim MM_columnsStr
Dim MM_fields
Dim MM_columns
Dim MM_typeArray
```



```

Dim MM_formVal
Dim MM_delim
Dim MM_altVal
Dim MM_emptyVal
Dim MM_i

MM_editAction = CStr(Request.ServerVariables("SCRIPT_NAME"))
If (Request.QueryString <> "") Then
    MM_editAction = MM_editAction & "?" &
Server.HTMLEncode(Request.QueryString)
End If

' boolean to abort record edit
MM_abortEdit = false

' query string to execute
MM_editQuery = ""
%>
<%
' *** Delete Record: declare variables

if (CStr(Request("MM_delete")) = "frm_subject" And
CStr(Request("MM_recordId")) <> "") Then

    MM_editConnection = MM_conn_DistanceLearning_STRING
    MM_editTable = "Subject"
    MM_editColumn = "subjectid"
    MM_recordId = "" + Request.Form("MM_recordId") + ""
    MM_editRedirectUrl = "Form_Subject_Master.asp"

    ' append the query string to the redirect URL
    If (MM_editRedirectUrl <> "" And Request.QueryString <> "") Then
        If (InStr(1, MM_editRedirectUrl, "?", vbTextCompare) = 0 And
Request.QueryString <> "") Then
            MM_editRedirectUrl = MM_editRedirectUrl & "?" & Request.QueryString
        Else
            MM_editRedirectUrl = MM_editRedirectUrl & "&" & Request.QueryString
        End If
    End If

End If
%>
<%
' *** Delete Record: construct a sql delete statement and execute it

```

```

        If (CStr(Request("MM_delete")) <> "" And CStr(Request("MM_recordId")) <>
        "") Then

            ' create the sql delete statement
            MM_editQuery = "delete from " & MM_editTable & " where " &
            MM_editColumn & " = " & MM_recordId

            If (Not MM_abortEdit) Then
                ' execute the delete
                Set MM_editCmd = Server.CreateObject("ADODB.Command")
                MM_editCmd.ActiveConnection = MM_editConnection
                MM_editCmd.CommandText = MM_editQuery
                MM_editCmd.Execute
                MM_editCmd.ActiveConnection.Close

                If (MM_editRedirectUrl <> "") Then
                    Response.Redirect(MM_editRedirectUrl)
                End If
            End If

        End If

        %>
        <%
        Dim rs_subject__MMColParam
        rs_subject__MMColParam = "1"
        If (Request.QueryString("subjectid") <> "") Then
            rs_subject__MMColParam = Request.QueryString("subjectid")
        End If
        %>
        <%
        Dim rs_subject
        Dim rs_subject_numRows

        Set rs_subject = Server.CreateObject("ADODB.Recordset")
        rs_subject.ActiveConnection = MM_conn_DistanceLearning_STRING
        rs_subject.Source = "SELECT * FROM Subject WHERE subjectid = " +
        Replace(rs_subject__MMColParam, "'", "''") + "'"
        rs_subject.CursorType = 0
        rs_subject.CursorLocation = 2
        rs_subject.LockType = 1
        rs_subject.Open()

        rs_subject_numRows = 0
        %>
        <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
        "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

```

```

<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Delete Subject Record</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
a:link {
    color: #CC3300;
}
a:visited {
    color: #CC3399;
}
a:hover {
    color: #000066;
}
a:active {
    color: #339900;
}
.style2 {color: #CC0000}
-->
</style>
<script language="JavaScript" type="text/JavaScript">
<!--
function MM_goToURL() { //v3.0
    var i, args=MM_goToURL.arguments; document.MM_returnValue = false;
    for (i=0; i<(args.length-1); i+=2) eval(args[i]+".location='"+args[i+1]+'";');
}
//-->
</script>
</head>
<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
<tr>
<td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
</td>
</tr>
</table></td>
</tr>
<tr>

```

```

        <td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
    <tr>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
            <param name="movie" value="button2.swf" />
            <param name="quality" value="high" />
            <param name="bgcolor" value="#DEDEBC" />
            <embed src="button2.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
        </object></td>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
            <param name="movie" value="button1.swf" />
            <param name="quality" value="high" />
            <param name="bgcolor" value="#DEDEBC" />
            <embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>
        </object></td>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
            <param name="movie" value="button3.swf" />
            <param name="quality" value="high" />
            <param name="bgcolor" value="#DEDEBC" />
            <embed src="button3.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
        </object></td>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
            <param name="movie" value="button4.swf" />
            <param name="quality" value="high" />
            <param name="bgcolor" value="#DEDEBC" />

```

```

                <embed
                    src="button4.swf"
                    quality="high"
                    pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
                    bgcolor="#DEDEBC"></embed>
            </object></td>
            <td
                width="14%"
                bgcolor="#DEDEBC"><object
                    classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
                    codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
                        <param name="movie" value="button5.swf" />
                        <param name="quality" value="high" />
                        <param name="bgcolor" value="#DEDEBC" />
                        <embed
                            src="button5.swf"
                            quality="high"
                            pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
                            bgcolor="#DEDEBC"></embed>
                    </object></td>
        </tr>
    </table></td>
</tr>
<tr>
    <td><hr /> <h3 align="center"> Delete Subject Record </h3>
        <hr />
        <p align="center" class="style2">***Are you sure you want to Delete
the&nbspsp;<strong><%=rs_subject.Fields.Item("subjectName").Value)%></strong>&nb
sp;Subject?***</p>
        <p align="center" class="style2">
            <input
                name="Submit22"
                type="button"
                onclick="MM_goToURL('parent','Form_Subject_Master.asp?courseid=<%=
Request.QueryString("courseid")
                %>');return
                document.MM_returnValue"
                value="Cancel" />
            </p>
            <form
                name="frm_subject"
                id="frm_subject"
                method="POST"
                action="<%=MM_editAction%>">
                <table
                    width="95%"
                    border="1"
                    align="center"
                    cellpadding="3"
                    cellspacing="0">
                    <tr>
                        <td>Subject ID </td>
                        <td><input
                            name="subjectID"
                            type="text"
                            id="subjectID"
                            value="<%=rs_subject.Fields.Item("subjectid").Value)%>" /></td>
                    </tr>
                    <tr>
                        <td>Subject Name </td>
                        <td><input
                            name="subjectName"
                            type="text"
                            id="subjectName"
                            value="<%=rs_subject.Fields.Item("subjectName").Value)%>" size="60" /></td>
                    </tr>

```

```

        <tr>
            <td>Subject Description </td>
            <td><textarea                name="subjectDescription"                cols="60"
id="subjectDescription"><%=rs_subject.Fields.Item("subjectDescription").Value)%></t
extarea></td>
        </tr>
        <tr>
            <td><input name="courseid" type="hidden" id="courseid" value="<%=
Request.QueryString("courseid") %>" /></td>
            <td>                <input type="submit" name="Submit" value="Delete"
/></td></tr>
    </table>

        <input type="hidden" name="MM_delete" value="frm_subject">
        <input                type="hidden"                name="MM_recordId"                value="<%=
rs_subject.Fields.Item("subjectid").Value %>">
    </form>    <p align="left">&nbsp;</p></td>
</tr>
<tr>
    <td>&nbsp;</td>
</tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>
<%
rs_subject.Close()
Set rs_subject = Nothing
%>

```

12. Form_Delete_Subsection.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
' *** Restrict Access To Page: Grant or deny access to this page
MM_authorizedUsers="admin,professor"
MM_authFailedURL="login.asp"
MM_grantAccess=false
If Session("MM_Username") <> "" Then
    If (false Or CStr(Session("MM_UserAuthorization"))="") Or _
        (InStr(1,MM_authorizedUsers,Session("MM_UserAuthorization"))>=1)
Then
    MM_grantAccess = true
End If
End If
If Not MM_grantAccess Then
    MM_qsChar = "?"
    If (InStr(1,MM_authFailedURL,"?") >= 1) Then MM_qsChar = "&"
    MM_referrer = Request.ServerVariables("URL")
    if (Len(Request.QueryString()) > 0) Then MM_referrer = MM_referrer & "?" &
Request.QueryString()
    MM_authFailedURL = MM_authFailedURL & MM_qsChar & "accessdenied="
& Server.URLEncode(MM_referrer)
    Response.Redirect(MM_authFailedURL)
End If
%>
<%
' *** Edit Operations: declare variables

Dim MM_editAction
Dim MM_abortEdit
Dim MM_editQuery
Dim MM_editCmd

Dim MM_editConnection
Dim MM_editTable
Dim MM_editRedirectUrl
Dim MM_editColumn
Dim MM_recordId

Dim MM_fieldsStr
Dim MM_columnsStr
Dim MM_fields
Dim MM_columns
```

```

Dim MM_typeArray
Dim MM_formVal
Dim MM_delim
Dim MM_altVal
Dim MM_emptyVal
Dim MM_i

MM_editAction = CStr(Request.ServerVariables("SCRIPT_NAME"))
If (Request.QueryString <> "") Then
    MM_editAction = MM_editAction & "?" &
Server.HTMLEncode(Request.QueryString)
End If

' boolean to abort record edit
MM_abortEdit = false

' query string to execute
MM_editQuery = ""
%>
<%
' *** Delete Record: declare variables

if (CStr(Request("MM_delete")) = "form1" And CStr(Request("MM_recordId"))
<> "") Then

    MM_editConnection = MM_conn_DistanceLearning_STRING
    MM_editTable = "Subsection"
    MM_editColumn = "subsectionid"
    MM_recordId = "" + Request.Form("MM_recordId") + ""
    MM_editRedirectUrl = "Form_Subsection_Master.asp"

    ' append the query string to the redirect URL
    If (MM_editRedirectUrl <> "" And Request.QueryString <> "") Then
        If (InStr(1, MM_editRedirectUrl, "?", vbTextCompare) = 0 And
Request.QueryString <> "") Then
            MM_editRedirectUrl = MM_editRedirectUrl & "?" & Request.QueryString
        Else
            MM_editRedirectUrl = MM_editRedirectUrl & "&" & Request.QueryString
        End If
    End If

End If
%>
<%
' *** Delete Record: construct a sql delete statement and execute it

```



```

        If (CStr(Request("MM_delete")) <> "" And CStr(Request("MM_recordId")) <>
        "") Then

            ' create the sql delete statement
            MM_editQuery = "delete from " & MM_editTable & " where " &
            MM_editColumn & " = " & MM_recordId

            If (Not MM_abortEdit) Then
                ' execute the delete
                Set MM_editCmd = Server.CreateObject("ADODB.Command")
                MM_editCmd.ActiveConnection = MM_editConnection
                MM_editCmd.CommandText = MM_editQuery
                MM_editCmd.Execute
                MM_editCmd.ActiveConnection.Close

                If (MM_editRedirectUrl <> "") Then
                    Response.Redirect(MM_editRedirectUrl)
                End If
            End If

        End If

        %>
        <%
        Dim rs_subsection__MMColParam
        rs_subsection__MMColParam = "1"
        If (Request.QueryString("subsectionid") <> "") Then
            rs_subsection__MMColParam = Request.QueryString("subsectionid")
        End If
        %>
        <%
        Dim rs_subsection
        Dim rs_subsection_numRows

        Set rs_subsection = Server.CreateObject("ADODB.Recordset")
        rs_subsection.ActiveConnection = MM_conn_DistanceLearning_STRING
        rs_subsection.Source = "SELECT * FROM Subsection WHERE subsectionid = "
+ Replace(rs_subsection__MMColParam, "'", "''") + ""
        rs_subsection.CursorType = 0
        rs_subsection.CursorLocation = 2
        rs_subsection.LockType = 1
        rs_subsection.Open()

        rs_subsection_numRows = 0
        %>
        <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

```

```

<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Delete Subsection Record</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
a:link {
    color: #CC3300;
}
a:visited {
    color: #CC3399;
}
a:hover {
    color: #000066;
}
a:active {
    color: #339900;
}
.style1 {
    color: #FF0000;
    font-weight: bold;
}
.style4 {color: #FF0000}
-->
</style>
<script language="JavaScript" type="text/JavaScript">
<!--
function MM_goToURL() { //v3.0
    var i, args=MM_goToURL.arguments; document.MM_returnValue = false;
    for (i=0; i<(args.length-1); i+=2) eval(args[i]+".location='"+args[i+1]+'";');
}
//-->
</script>
</head>
<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
<tr>
<td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
</td>
</tr>

```

```

        </table></td>
    </tr>
    <tr>
        <td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
            <tr>
                <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
                    <param name="movie" value="button2.swf" />
                    <param name="quality" value="high" />
                    <param name="bgcolor" value="#DEDEBC" />
                    <embed
                        src="button2.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
                </object></td>
                <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
                    <param name="movie" value="button1.swf" />
                    <param name="quality" value="high" />
                    <param name="bgcolor" value="#DEDEBC" />
                    <embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>
                </object></td>
                <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
                    <param name="movie" value="button3.swf" />
                    <param name="quality" value="high" />
                    <param name="bgcolor" value="#DEDEBC" />
                    <embed
                        src="button3.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
                </object></td>
                <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">

```

```

        <param name="movie" value="button4.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed
            src="button4.swf"
            quality="high"
            pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Version=ShockwaveFlash"
            type="application/x-shockwave-flash"
            width="100" height="23"
            bgcolor="#DEDEBC"></embed>
    </object></td>
    <td
        width="14%"
        bgcolor="#DEDEBC"><object
        classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
        codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#version=5,0,0,0"
        width="103" height="24">
            <param name="movie" value="button5.swf" />
            <param name="quality" value="high" />
            <param name="bgcolor" value="#DEDEBC" />
            <embed
                src="button5.swf"
                quality="high"
                pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Version=ShockwaveFlash"
                type="application/x-shockwave-flash"
                width="103" height="24"
                bgcolor="#DEDEBC"></embed>
        </object></td>
</tr>
</table></td>
</tr>
<tr>
<td><hr /> <h3 align="center"> Delete Subsection Record </h3>
<hr />
<p align="center"><span class="style4">***Are you sure you want to Delete
the</span>&nbsp;<span
class="style1"><%=rs_subsection.Fields.Item("subsectionName").Value)%>&nbsp;</span><span
class="style4">Subsection?***</span></p>
<p align="center">
<input
        name="Submit2"
        type="submit"
        onclick="MM_goToURL('parent','Form_Subsection_Master.asp?topicid=<%=Request.QueryString("topicid") %>');return document.MM_returnValue"
        value="Cancel"
    />
</p>
<form
        name="form1"
        id="form1"
        method="POST"
        action="<%=MM_editAction%>"

        <table
            width="95%"
            border="1"
            align="center"
            cellpadding="3"
            cellspacing="0">
            <tr>
                <td width="29%">Subsection Name </td>
                <td width="71%"><input name="subName" type="text" id="subName"
                    value="<%=rs_subsection.Fields.Item("subsectionName").Value)%>"
                    size="60" /></td>
            </tr>

```

```

        <tr>
            <td>Subsection Description </td>
            <td><textarea          name="description"          cols="60"          rows="5"
id="description"><%=rs_subsection.Fields.Item("subsectionDescription").Value)%></te
xtarea></td>
        </tr>
        <tr>
            <td>Content</td>
            <td><textarea          name="content"          cols="60"          rows="15"
id="content"><%=rs_subsection.Fields.Item("content").Value)%></textarea></td>
        </tr>
        <tr>
            <td>Keywords</td>
            <td><textarea          name="keywords"          cols="60"
id="keywords"><%=rs_subsection.Fields.Item("keywords").Value)%></textarea></td>
        </tr>
        <tr>
            <td><input name="topicid" type="hidden" id="topicid" value="<%=
Request.QueryString("topicid") %>" />
            <input name="author" type="hidden" id="author" value="<%=
Session("MM_Username") %>" /></td>
            <td><input type="submit" name="Submit" value="Delete" /></td>
        </tr>
    </table>

    <input type="hidden" name="MM_delete" value="form1">
    <input type="hidden" name="MM_recordId" value="<%=
rs_subsection.Fields.Item("subsectionid").Value %>">
</form>
    <p align="left">&nbsp;</p></td>
</tr>
<tr>
    <td>&nbsp;</td>
</tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>
<%
rs_subsection.Close()
Set rs_subsection = Nothing
%>

```

13. Form_Delete_Teach.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
' *** Restrict Access To Page: Grant or deny access to this page
MM_authorizedUsers="admin"
MM_authFailedURL="login.asp"
MM_grantAccess=false
If Session("MM_Username") <> "" Then
    If (false Or CStr(Session("MM_UserAuthorization"))="") Or _
        (InStr(1,MM_authorizedUsers,Session("MM_UserAuthorization"))>=1)
Then
    MM_grantAccess = true
    End If
End If
If Not MM_grantAccess Then
    MM_qsChar = "?"
    If (InStr(1,MM_authFailedURL,"?") >= 1) Then MM_qsChar = "&"
    MM_referrer = Request.ServerVariables("URL")
    if (Len(Request.QueryString()) > 0) Then MM_referrer = MM_referrer & "?" &
Request.QueryString()
    MM_authFailedURL = MM_authFailedURL & MM_qsChar & "accessdenied="
& Server.URLEncode(MM_referrer)
    Response.Redirect(MM_authFailedURL)
End If
%>
<%
' *** Edit Operations: declare variables

Dim MM_editAction
Dim MM_abortEdit
Dim MM_editQuery
Dim MM_editCmd

Dim MM_editConnection
Dim MM_editTable
Dim MM_editRedirectUrl
Dim MM_editColumn
Dim MM_recordId

Dim MM_fieldsStr
Dim MM_columnsStr
Dim MM_fields
Dim MM_columns
```

```

Dim MM_typeArray
Dim MM_formVal
Dim MM_delim
Dim MM_altVal
Dim MM_emptyVal
Dim MM_i

MM_editAction = CStr(Request.ServerVariables("SCRIPT_NAME"))
If (Request.QueryString <> "") Then
    MM_editAction = MM_editAction & "?" &
Server.HTMLEncode(Request.QueryString)
End If

' boolean to abort record edit
MM_abortEdit = false

' query string to execute
MM_editQuery = ""
%>
<%
' *** Delete Record: declare variables

if (CStr(Request("MM_delete")) = "form1" And CStr(Request("MM_recordId"))
<> "") Then

    MM_editConnection = MM_conn_DistanceLearning_STRING
    MM_editTable = "Teach"
    MM_editColumn = "teachid"
    MM_recordId = "" + Request.Form("MM_recordId") + ""
    MM_editRedirectUrl = "Form_Master_Teach.asp"

    ' append the query string to the redirect URL
    If (MM_editRedirectUrl <> "" And Request.QueryString <> "") Then
        If (InStr(1, MM_editRedirectUrl, "?", vbTextCompare) = 0 And
Request.QueryString <> "") Then
            MM_editRedirectUrl = MM_editRedirectUrl & "?" & Request.QueryString
        Else
            MM_editRedirectUrl = MM_editRedirectUrl & "&" & Request.QueryString
        End If
    End If

End If
%>
<%
' *** Delete Record: construct a sql delete statement and execute it

```

```

        If (CStr(Request("MM_delete")) <> "" And CStr(Request("MM_recordId")) <>
        "") Then

            ' create the sql delete statement
            MM_editQuery = "delete from " & MM_editTable & " where " &
            MM_editColumn & " = " & MM_recordId

            If (Not MM_abortEdit) Then
                ' execute the delete
                Set MM_editCmd = Server.CreateObject("ADODB.Command")
                MM_editCmd.ActiveConnection = MM_editConnection
                MM_editCmd.CommandText = MM_editQuery
                MM_editCmd.Execute
                MM_editCmd.ActiveConnection.Close

                If (MM_editRedirectUrl <> "") Then
                    Response.Redirect(MM_editRedirectUrl)
                End If
            End If

        End If

        %>
        <%
        Dim rs_teach__MMColParam
        rs_teach__MMColParam = "7"
        If (Request.QueryString("professorid") <> "") Then
            rs_teach__MMColParam = Request.QueryString("professorid")
        End If
        %>
        <%
        Dim rs_teach__ParamCourseid
        rs_teach__ParamCourseid = "4"
        If (Request.QueryString("courseid") <> "") Then
            rs_teach__ParamCourseid = Request.QueryString("courseid")
        End If
        %>
        <%
        Dim rs_teach
        Dim rs_teach_numRows

        Set rs_teach = Server.CreateObject("ADODB.Recordset")
        rs_teach.ActiveConnection = MM_conn_DistanceLearning_STRING
        rs_teach.Source = "SELECT * FROM Teach WHERE professorid = " +
        Replace(rs_teach__MMColParam, "'", "''") + " AND courseid = " +
        Replace(rs_teach__ParamCourseid, "'", "''") + ""
        rs_teach.CursorType = 0
    
```



```

rs_teach.CursorLocation = 2
rs_teach.LockType = 1
rs_teach.Open()

rs_teach_numRows = 0
%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Delete&quot;Teach&quot;Record</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
a:link {
    color: #CC3300;
}
a:visited {
    color: #CC3399;
}
a:hover {
    color: #000066;
}
a:active {
    color: #339900;
}
.style1 {color: #FF0000}
-->
</style>
<script language="JavaScript" type="text/JavaScript">
<!--
function MM_goToURL() { //v3.0
    var i, args=MM_goToURL.arguments; document.MM_returnValue = false;
    for (i=0; i<(args.length-1); i+=2) eval(args[i]+".location='"+args[i+1]+'";');
}
//-->
</script>
</head>
<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
    <tr>
        <td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
            <tr>

```

```
  |
```

```
 <object classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000" codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver sion=5,0,0,0" width="100" height="23">     <param name="movie" value="button4.swf" />     <param name="quality" value="high" />     <param name="bgcolor" value="#DEDEBC" />     <embed src="button4.swf" quality="high" pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23" bgcolor="#DEDEBC"></embed> </object></td>  <object classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000" codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver sion=5,0,0,0" width="103" height="24">     <param name="movie" value="button5.swf" />     <param name="quality" value="high" />     <param name="bgcolor" value="#DEDEBC" />     <embed src="button5.swf" quality="high" pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24" bgcolor="#DEDEBC"></embed> </object></td> </tr> </table></td> </tr> <tr>  <hr /> <h3 align="center"> Delete &quot;Teach&quot; Record </h3> <hr /> <p align="center" class="style1">***Are you sure you want to Delete this &quot;Teach&quot; Record?***</p> <p align="center" class="style1"> <input name="Submit2" type="submit" onclick="MM_goToURL('parent','Form_Master_Teach.asp');return document.MM_returnValue" value="Cancel" /> </p> <form name="form1" id="form1" method="POST" action="<%=MM_editAction%>"> <table width="95%" border="1" align="center" cellpadding="3" cellspacing="0"> <tr> <td>Professor ID </td> <td><input name="peofessorid" type="text" id="peofessorid" value="<%= (rs_teach.Fields.Item("professorid").Value)%>" /></td> </tr> | | |
```

```

        <tr>
            <td>Course ID </td>
            <td><input          name="courseid"          type="text"          id="courseid"
value="<%=rs_teach.Fields.Item("courseid").Value)%>" /></td>
        </tr>
        <tr>
            <td>Room</td>
            <td><input          name="room"          type="text"          id="room"
value="<%=rs_teach.Fields.Item("room").Value)%>" /></td>
        </tr>
        <tr>
            <td>&nbsp;</td>
            <td><input type="submit" name="Submit" value="Delete" /></td>
        </tr>
    </table>

    <input type="hidden" name="MM_delete" value="form1">
    <input          type="hidden"          name="MM_recordId"          value="<%=
rs_teach.Fields.Item("teachid").Value %>">
    </form>    <p align="left">&nbsp;</p></td>
</tr>
<tr>
    <td>&nbsp;</td>
</tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>
<%
rs_teach.Close()
Set rs_teach = Nothing
%>

```

14. Form_Delete_Topic.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
' *** Restrict Access To Page: Grant or deny access to this page
MM_authorizedUsers="admin,professor"
MM_authFailedURL="login.asp"
MM_grantAccess=false
If Session("MM_Username") <> "" Then
    If (false Or CStr(Session("MM_UserAuthorization"))="") Or _
        (InStr(1,MM_authorizedUsers,Session("MM_UserAuthorization"))>=1)
Then
    MM_grantAccess = true
    End If
End If
If Not MM_grantAccess Then
    MM_qsChar = "?"
    If (InStr(1,MM_authFailedURL,"?") >= 1) Then MM_qsChar = "&"
    MM_referrer = Request.ServerVariables("URL")
    if (Len(Request.QueryString()) > 0) Then MM_referrer = MM_referrer & "?" &
Request.QueryString()
    MM_authFailedURL = MM_authFailedURL & MM_qsChar & "accessdenied="
& Server.URLEncode(MM_referrer)
    Response.Redirect(MM_authFailedURL)
End If
%>
<%
' *** Edit Operations: declare variables

Dim MM_editAction
Dim MM_abortEdit
Dim MM_editQuery
Dim MM_editCmd

Dim MM_editConnection
Dim MM_editTable
Dim MM_editRedirectUrl
Dim MM_editColumn
Dim MM_recordId

Dim MM_fieldsStr
Dim MM_columnsStr
Dim MM_fields
Dim MM_columns
```

```

Dim MM_typeArray
Dim MM_formVal
Dim MM_delim
Dim MM_altVal
Dim MM_emptyVal
Dim MM_i

MM_editAction = CStr(Request.ServerVariables("SCRIPT_NAME"))
If (Request.QueryString <> "") Then
    MM_editAction = MM_editAction & "?" &
Server.HTMLEncode(Request.QueryString)
End If

' boolean to abort record edit
MM_abortEdit = false

' query string to execute
MM_editQuery = ""
%>
<%
' *** Delete Record: declare variables

if (CStr(Request("MM_delete")) = "form1" And CStr(Request("MM_recordId"))
<> "") Then

    MM_editConnection = MM_conn_DistanceLearning_STRING
    MM_editTable = "Topic"
    MM_editColumn = "topicid"
    MM_recordId = "" + Request.Form("MM_recordId") + ""
    MM_editRedirectUrl = "Form_Topic_Master.asp"

    ' append the query string to the redirect URL
    If (MM_editRedirectUrl <> "" And Request.QueryString <> "") Then
        If (InStr(1, MM_editRedirectUrl, "?", vbTextCompare) = 0 And
Request.QueryString <> "") Then
            MM_editRedirectUrl = MM_editRedirectUrl & "?" & Request.QueryString
        Else
            MM_editRedirectUrl = MM_editRedirectUrl & "&" & Request.QueryString
        End If
    End If

End If
%>
<%
' *** Delete Record: construct a sql delete statement and execute it

```

```

        If (CStr(Request("MM_delete")) <> "" And CStr(Request("MM_recordId")) <>
        "") Then

            ' create the sql delete statement
            MM_editQuery = "delete from " & MM_editTable & " where " &
            MM_editColumn & " = " & MM_recordId

            If (Not MM_abortEdit) Then
                ' execute the delete
                Set MM_editCmd = Server.CreateObject("ADODB.Command")
                MM_editCmd.ActiveConnection = MM_editConnection
                MM_editCmd.CommandText = MM_editQuery
                MM_editCmd.Execute
                MM_editCmd.ActiveConnection.Close

                If (MM_editRedirectUrl <> "") Then
                    Response.Redirect(MM_editRedirectUrl)
                End If
            End If

        End If

        %>
        <%
        Dim rs_topic__MMColParam
        rs_topic__MMColParam = "1"
        If (Request.QueryString("topicid") <> "") Then
            rs_topic__MMColParam = Request.QueryString("topicid")
        End If
        %>
        <%
        Dim rs_topic
        Dim rs_topic_numRows

        Set rs_topic = Server.CreateObject("ADODB.Recordset")
        rs_topic.ActiveConnection = MM_conn_DistanceLearning_STRING
        rs_topic.Source = "SELECT * FROM Topic WHERE topicid = " +
        Replace(rs_topic__MMColParam, "'", "''") + ""
        rs_topic.CursorType = 0
        rs_topic.CursorLocation = 2
        rs_topic.LockType = 1
        rs_topic.Open()

        rs_topic_numRows = 0
        %>
        <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
        "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

```

```

<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Delete Topic Record</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
a:link {
    color: #CC3300;
}
a:visited {
    color: #CC3399;
}
a:hover {
    color: #000066;
}
a:active {
    color: #339900;
}
.style2 {color: #CC0000}
-->
</style>
<script language="JavaScript" type="text/JavaScript">
<!--
function MM_goToURL() { //v3.0
    var i, args=MM_goToURL.arguments; document.MM_returnValue = false;
    for (i=0; i<(args.length-1); i+=2) eval(args[i]+".location='"+args[i+1]+'";');
}
//-->
</script>
</head>
<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
<tr>
<td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
</td>
</tr>
</table></td>
</tr>
</table>

```



```

        <td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
        <tr>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
        <param name="movie" value="button2.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button2.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
        </object></td>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
        <param name="movie" value="button1.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>
        </object></td>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
        <param name="movie" value="button3.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button3.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
        </object></td>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
        <param name="movie" value="button4.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />

```

```

                <embed
                    src="button4.swf"
                    quality="high"
                    pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
                    rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
                    bgcolor="#DEDEBC"></embed>
            </object></td>
            <td
                width="14%"
                bgcolor="#DEDEBC"><object
                    classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
                    codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
                    sion=5,0,0,0" width="103" height="24">
                <param name="movie" value="button5.swf" />
                <param name="quality" value="high" />
                <param name="bgcolor" value="#DEDEBC" />
                <embed
                    src="button5.swf"
                    quality="high"
                    pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
                    rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
                    bgcolor="#DEDEBC"></embed>
            </object></td>
        </tr>
    </table></td>
</tr>
<tr>
    <td><hr /> <h3 align="center"> Delete Topic Record </h3>
        <hr />
        <p align="center" class="style2">***Are you sure you want to Delete
        the <strong><%=rs_topic.Fields.Item("topicName").Value)%></strong>&nbsp;T
        opic?***</p>
        <p align="center" class="style2">
            <input
                name="Submit2"
                type="submit"
                onclick="MM_goToURL('parent','Form_Topic_Master.asp?subjectid=<%=
                Request.QueryString("subjectid")
                %>');return document.MM_returnValue"
                value="Cancel" />
        </p>
        <form
            name="form1"
            id="form1"
            method="POST"
            action="<%=MM_editAction%>">
            <table
                width="95%"
                border="1"
                align="center"
                cellpadding="3"
                cellspacing="0">
                <tr>
                    <td>Topic ID </td>
                    <td><input
                        name="topicid"
                        type="text"
                        id="topicid"
                        value="<%=rs_topic.Fields.Item("topicid").Value)%>" /></td>
                </tr>
                <tr>
                    <td>Topic Name </td>
                    <td><input
                        name="topicName"
                        type="text"
                        id="topicName"
                        value="<%=rs_topic.Fields.Item("topicName").Value)%>" size="60" /></td>
                </tr>
            </table>
        </form>
    </td>
</tr>

```

```

        <tr>
            <td>Topic Description </td>
            <td><textarea                name="topicDescription"                cols="60"
id="topicDescription"><%=rs_topic.Fields.Item("topicDescription").Value)%></textare
a></td>
        </tr>
        <tr>
            <td><input name="subjectid" type="hidden" id="subjectid" value="<%=
Request.QueryString("subjectid") %>" /></td>
            <td><input type="submit" name="Submit" value="Delete" /></td>
        </tr>
    </table>

    <input type="hidden" name="MM_delete" value="form1">
    <input                type="hidden"                name="MM_recordId"                value="<%=
rs_topic.Fields.Item("topicid").Value %>">
    </form>    <p align="left">&nbsp;</p></td>
</tr>
<tr>
    <td>&nbsp;</td>
</tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>
<%
rs_topic.Close()
Set rs_topic = Nothing
%>

```

15. Form_Delete_User.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
' *** Restrict Access To Page: Grant or deny access to this page
MM_authorizedUsers="admin"
MM_authFailedURL="login.asp"
MM_grantAccess=false
If Session("MM_Username") <> "" Then
    If (false Or CStr(Session("MM_UserAuthorization"))="") Or _
        (InStr(1,MM_authorizedUsers,Session("MM_UserAuthorization"))>=1)
Then
    MM_grantAccess = true
    End If
End If
If Not MM_grantAccess Then
    MM_qsChar = "?"
    If (InStr(1,MM_authFailedURL,"?") >= 1) Then MM_qsChar = "&"
    MM_referrer = Request.ServerVariables("URL")
    if (Len(Request.QueryString()) > 0) Then MM_referrer = MM_referrer & "?" &
Request.QueryString()
    MM_authFailedURL = MM_authFailedURL & MM_qsChar & "accessdenied="
& Server.URLEncode(MM_referrer)
    Response.Redirect(MM_authFailedURL)
End If
%>
<%
' *** Edit Operations: declare variables

Dim MM_editAction
Dim MM_abortEdit
Dim MM_editQuery
Dim MM_editCmd

Dim MM_editConnection
Dim MM_editTable
Dim MM_editRedirectUrl
Dim MM_editColumn
Dim MM_recordId

Dim MM_fieldsStr
Dim MM_columnsStr
Dim MM_fields
Dim MM_columns
```

```

Dim MM_typeArray
Dim MM_formVal
Dim MM_delim
Dim MM_altVal
Dim MM_emptyVal
Dim MM_i

MM_editAction = CStr(Request.ServerVariables("SCRIPT_NAME"))
If (Request.QueryString <> "") Then
    MM_editAction = MM_editAction & "?" &
Server.HTMLEncode(Request.QueryString)
End If

' boolean to abort record edit
MM_abortEdit = false

' query string to execute
MM_editQuery = ""
%>
<%
' *** Delete Record: declare variables

if (CStr(Request("MM_delete")) = "frm_deleteUser" And
CStr(Request("MM_recordId")) <> "") Then

    MM_editConnection = MM_conn_DistanceLearning_STRING
    MM_editTable = "User"
    MM_editColumn = "userid"
    MM_recordId = "" + Request.Form("MM_recordId") + ""
    MM_editRedirectUrl = "Form_Master_User.asp"

    ' append the query string to the redirect URL
    If (MM_editRedirectUrl <> "" And Request.QueryString <> "") Then
        If (InStr(1, MM_editRedirectUrl, "?", vbTextCompare) = 0 And
Request.QueryString <> "") Then
            MM_editRedirectUrl = MM_editRedirectUrl & "?" & Request.QueryString
        Else
            MM_editRedirectUrl = MM_editRedirectUrl & "&" & Request.QueryString
        End If
    End If

End If
%>
<%
' *** Delete Record: construct a sql delete statement and execute it

```

```

        If (CStr(Request("MM_delete")) <> "" And CStr(Request("MM_recordId")) <>
        "") Then

            ' create the sql delete statement
            MM_editQuery = "delete from " & MM_editTable & " where " &
            MM_editColumn & " = " & MM_recordId

            If (Not MM_abortEdit) Then
                ' execute the delete
                Set MM_editCmd = Server.CreateObject("ADODB.Command")
                MM_editCmd.ActiveConnection = MM_editConnection
                MM_editCmd.CommandText = MM_editQuery
                MM_editCmd.Execute
                MM_editCmd.ActiveConnection.Close

                If (MM_editRedirectUrl <> "") Then
                    Response.Redirect(MM_editRedirectUrl)
                End If
            End If

        End If

        %>
        <%
        Dim rs_user__MMColParam
        rs_user__MMColParam = "1"
        If (Request.QueryString("userid") <> "") Then
            rs_user__MMColParam = Request.QueryString("userid")
        End If
        %>
        <%
        Dim rs_user
        Dim rs_user_numRows

        Set rs_user = Server.CreateObject("ADODB.Recordset")
        rs_user.ActiveConnection = MM_conn_DistanceLearning_STRING
        rs_user.Source = "SELECT * FROM User WHERE userid = " +
        Replace(rs_user__MMColParam, "'", "''") + "'"
        rs_user.CursorType = 0
        rs_user.CursorLocation = 2
        rs_user.LockType = 1
        rs_user.Open()

        rs_user_numRows = 0
        %>
        <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
        "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

```

```

<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Delete User Form</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
a:link {
    color: #CC3300;
}
a:visited {
    color: #CC3399;
}
a:hover {
    color: #000066;
}
a:active {
    color: #339900;
}
.style1 {color: #FF0000}
.style4 {color: #336633; font-weight: bold; }
-->
</style>
<script language="JavaScript" type="text/JavaScript">
<!--
function MM_goToURL() { //v3.0
    var i, args=MM_goToURL.arguments; document.MM_returnValue = false;
    for (i=0; i<(args.length-1); i+=2) eval(args[i]+".location='"+args[i+1]+'";');
}
//-->
</script>
</head>
<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
<tr>
<td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
</td>
</tr>
</table></td>
</tr>
</table>

```

```

        <td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
    <tr>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
            <param name="movie" value="button2.swf" />
            <param name="quality" value="high" />
            <param name="bgcolor" value="#DEDEBC" />
            <embed src="button2.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
        </object></td>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
            <param name="movie" value="button1.swf" />
            <param name="quality" value="high" />
            <param name="bgcolor" value="#DEDEBC" />
            <embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>
        </object></td>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
            <param name="movie" value="button3.swf" />
            <param name="quality" value="high" />
            <param name="bgcolor" value="#DEDEBC" />
            <embed src="button3.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
        </object></td>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
            <param name="movie" value="button4.swf" />
            <param name="quality" value="high" />
            <param name="bgcolor" value="#DEDEBC" />

```



```

                <embed
                    src="button4.swf"
                    quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
            </object></td>
            <td
                width="14%"
                bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
                <param name="movie" value="button5.swf" />
                <param name="quality" value="high" />
                <param name="bgcolor" value="#DEDEBC" />
                <embed
                    src="button5.swf"
                    quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
            </object></td>
        </tr>
    </table></td>
</tr>
<tr>
    <td><hr /> <h3 align="center"> Delete User Record </h3>
        <hr />
        <p align="center"><span class="style1">***Are you sure you want to Delete
the
User:</span><span
class="style4"><%=rs_user.Fields.Item("lastName").Value)%></span>, <span
class="style4"><%=rs_user.Fields.Item("firstName").Value)%></span> <span
class="style1">Record?***</span></p>
        <p align="center">
            <input
                name="Submit2"
                type="submit"
onclick="MM_goToURL('parent','Form_Master_User.asp');return
document.MM_returnValue" value="Cancel" />
        </p>
        <form name="frm_deleteUser" id="frm_deleteUser" method="POST"
action="<%=MM_editAction%>">
            <table width="95%" border="1" align="center" cellpadding="3"
cellspacing="0">
                <tr>
                    <td>First Name </td>
                    <td><input name="firstName" type="text" id="firstName"
value="<%=rs_user.Fields.Item("firstName").Value)%>" /></td>
                </tr>
                <tr>
                    <td>Last Name </td>
                    <td><input name="lastName" type="text" id="lastName"
value="<%=rs_user.Fields.Item("lastName").Value)%>" /></td>

```

```

        </tr>
        <tr>
            <td>Office Phone </td>
            <td><input    name="officePhone"    type="text"    id="officePhone"
value="<%=rs_user.Fields.Item("officephone").Value)%>" /></td>
        </tr>
        <tr>
            <td>Office Room </td>
            <td><input    name="officeRoom"    type="text"    id="officeRoom"
value="<%=rs_user.Fields.Item("officeRoom").Value)%>" /></td>
        </tr>
        <tr>
            <td>Email Address </td>
            <td><input        name="email"        type="text"        id="email"
value="<%=rs_user.Fields.Item("email").Value)%>" size="60" /></td>
        </tr>
        <tr>
            <td>User Name </td>
            <td><input    name="userName"    type="text"    id="userName"
value="<%=rs_user.Fields.Item("userName").Value)%>" /></td>
        </tr>
        <tr>
            <td>Password</td>
            <td><input    name="password"    type="password"    id="password"
value="<%=rs_user.Fields.Item("password").Value)%>" /></td>
        </tr>
        <tr>
            <td>User Group </td>
            <td><input    name="userGroup"    type="text"    id="userGroup"
value="<%=rs_user.Fields.Item("userGroup").Value)%>" /></td>
        </tr>
        <tr>
            <td>&nbsp;</td>
            <td><input type="submit" name="Submit" value="Delete" /></td>
        </tr>
    </table>

    <input type="hidden" name="MM_delete" value="frm_deleteUser">
    <input    type="hidden"    name="MM_recordId"    value="<%=
rs_user.Fields.Item("userid").Value %>">
    </form>    <p align="left">&nbsp;</p></td>
</tr>
<tr>
    <td>&nbsp;</td>
</tr>
</table>

```

```
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>
<%
rs_user.Close()
Set rs_user = Nothing
%>
```

16. Form_Image_Master.asp

```

<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
' *** Restrict Access To Page: Grant or deny access to this page
MM_authorizedUsers="admin,professor"
MM_authFailedURL="login.asp"
MM_grantAccess=false
If Session("MM_Username") <> "" Then
    If (false Or CStr(Session("MM_UserAuthorization"))="") Or _
        (InStr(1,MM_authorizedUsers,Session("MM_UserAuthorization"))>=1)
Then
        MM_grantAccess = true
    End If
End If
If Not MM_grantAccess Then
    MM_qsChar = "?"
    If (InStr(1,MM_authFailedURL,"?") >= 1) Then MM_qsChar = "&"
    MM_referrer = Request.ServerVariables("URL")
    if (Len(Request.QueryString()) > 0) Then MM_referrer = MM_referrer & "?" &
Request.QueryString()
    MM_authFailedURL = MM_authFailedURL & MM_qsChar & "accessdenied="
& Server.URLEncode(MM_referrer)
    Response.Redirect(MM_authFailedURL)
End If
%>
<%
Dim rs_subsectionTopic__MMColParam
rs_subsectionTopic__MMColParam = "3"
If (Request.QueryString("subsectionid") <> "") Then
    rs_subsectionTopic__MMColParam = Request.QueryString("subsectionid")
End If
%>
<%
Dim rs_subsectionTopic
Dim rs_subsectionTopic_numRows

Set rs_subsectionTopic = Server.CreateObject("ADODB.Recordset")
rs_subsectionTopic.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_subsectionTopic.Source = "SELECT
Graphic.graphicid,Graphic.graphicName,Graphic.graphicDescription,
Graphic.graphicPath FROM Subsection_Has_Graphics, Graphic WHERE
Graphic.graphicid=Subsection_Has_Graphics.graphicid AND
Subsection_Has_Graphics.subsectionid = " +

```

```

Replace(rs_subsectionTopic__MMColParam, "", "") + " ORDER BY
Graphic.graphicName ASC"
rs_subsectionTopic.CursorType = 0
rs_subsectionTopic.CursorLocation = 2
rs_subsectionTopic.LockType = 1
rs_subsectionTopic.Open()

rs_subsectionTopic_numRows = 0
%>
<%
Dim rs_subsection__MMColParam
rs_subsection__MMColParam = "1"
If (Request.QueryString("subsectionid") <> "") Then
    rs_subsection__MMColParam = Request.QueryString("subsectionid")
End If
%>
<%
Dim rs_subsection
Dim rs_subsection_numRows

Set rs_subsection = Server.CreateObject("ADODB.Recordset")
rs_subsection.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_subsection.Source = "SELECT subsectionid, subsectionName FROM
Subsection WHERE subsectionid = " + Replace(rs_subsection__MMColParam, "", "")
+ ""

rs_subsection.CursorType = 0
rs_subsection.CursorLocation = 2
rs_subsection.LockType = 1
rs_subsection.Open()

rs_subsection_numRows = 0
%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Image Master Form</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
a:link {
    color: #CC3300;
}
a:visited {
    color: #CC3399;

```

```

}
a:hover {
    color: #000066;
}
a:active {
    color: #339900;
}
.style1 {color: #339933}
.style2 {color: #CC0000}
-->
</style></head>
<body>
    <table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
        <tr>
            <td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
                <tr>
                    <td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
                </td>
            </tr>
        </table></td>
        </tr>
        <tr>
            <td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
                <tr>
                    <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
                        <param name="movie" value="button2.swf" />
                        <param name="quality" value="high" />
                        <param name="bgcolor" value="#DEDEBC" />
                        <embed
                            src="button2.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
                    </object></td>
                    <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
                        <param name="movie" value="button1.swf" />
                        <param name="quality" value="high" />

```

```

        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>
    </object></td>
    <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
        <param name="movie" value="button3.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button3.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
    </object></td>
    <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
        <param name="movie" value="button4.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button4.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
    </object></td>
    <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
        <param name="movie" value="button5.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button5.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
    </object></td>
</tr>
</table></td>
</tr>
</tr>

```

```

        <td><hr />   <h3 align="center"> <span class="style1">Image</span> Master
Form                for                Subsection:                <span
class="style2"><%=rs_subsection.Fields.Item("subsectionName").Value)%></span></h
3>

        <hr />
        <form    name="frm_selectImage"    id="frm_selectImage"    method="get"
action="Image_Result.asp">
            <table    width="95%"        border="1"    align="center"    cellpadding="3"
cellspacing="0">
                <tr>
                    <td width="50%">Select an Image to see it </td>
                    <td width="50%"><select name="graphicid" id="graphicid">
                        <%
While (NOT rs_subsectionTopic.EOF)
%>
                            <option
value="<%=rs_subsectionTopic.Fields.Item("graphicid").Value)%>"><%=rs_subsectio
nTopic.Fields.Item("graphicName").Value)%></option>
                        <%
                            rs_subsectionTopic.MoveNext()
Wend
If (rs_subsectionTopic.CursorType > 0) Then
    rs_subsectionTopic.MoveFirst
Else
    rs_subsectionTopic.Requery
End If
%>
                    </select>
                    <input type="submit" name="Submit" value="Submit" /></td>
                </tr>
            </table>
        </form>

        <form    name="frm_insertImage"    id="frm_insertImage"    method="get"
action="Form_Insert_Image.asp">
            <table    width="95%"        border="1"    align="center"    cellpadding="3"
cellspacing="0">
                <tr>
                    <td width="50%"><strong>Insert </strong>New Image </td>
                    <td    width="50%"><input    name="rbt_insert"    type="submit"
id="rbt_insert" value="Insert" />
                    <input    name="subsectionid"    type="hidden"    id="subsectionid"
value="<%= Request.QueryString("subsectionid") %>" /></td>
                </tr>
            </table>
        </form>

```



```

        <form          name="frn_update"          id="frn_update"          method="get"
action="Form_Update_Image.asp">
        <table    width="95%"          border="1"    align="center"    cellpadding="3"
cellspacing="0">
        <tr>
        <td width="50%"><strong>Update</strong> Existing Image </td>
        <td width="50%"><select name="graphicid" id="graphicid">
        <%
While (NOT rs_subsectionTopic.EOF)
%>
        <option
value="<%=rs_subsectionTopic.Fields.Item("graphicid").Value%>"><%=rs_subsection
nTopic.Fields.Item("graphicName").Value%></option>
        <%
        rs_subsectionTopic.MoveNext()
Wend
If (rs_subsectionTopic.CursorType > 0) Then
    rs_subsectionTopic.MoveFirst
Else
    rs_subsectionTopic.Requery
End If
%>
        </select>
        <input type="submit" name="Submit2" value="Update" />
        <input          name="subsectionid"          type="hidden"          id="subsectionid"
value="<%= Request.QueryString("subsectionid") %>" /></td>
        </tr>
        </table>
        </form>

        <form          name="form2"          id="form2"          method="get"
action="Form_Delete_Image.asp">
        <table    width="95%"          border="1"    align="center"    cellpadding="3"
cellspacing="0">
        <tr>
        <td width="50%"><strong>Delete</strong> Existing Image </td>
        <td width="50%"><select name="graphicid" id="graphicid">
        <%
While (NOT rs_subsectionTopic.EOF)
%>
        <option
value="<%=rs_subsectionTopic.Fields.Item("graphicid").Value%>"><%=rs_subsection
nTopic.Fields.Item("graphicName").Value%></option>
        <%
        rs_subsectionTopic.MoveNext()
Wend

```

```

If (rs_subsectionTopic.CursorType > 0) Then
    rs_subsectionTopic.MoveFirst
Else
    rs_subsectionTopic.Requery
End If
%>
    </select>
    <input type="submit" name="Submit3" value="Delete" />
    <input name="subsectionid" type="hidden" id="subsectionid"
value="<%= Request.QueryString("subsectionid") %>" /></td>
    </tr>
    </table>
    </form>    <p>&nbsp;</p>    <p align="left">&nbsp;</p></td>
    </tr>
    <tr>
    <td>&nbsp;</td>
    </tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>
<%
rs_subsectionTopic.Close()
Set rs_subsectionTopic = Nothing
%>
<%
rs_subsection.Close()
Set rs_subsection = Nothing
%>

```

17. Form_Input_Subsection.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<%
' *** Restrict Access To Page: Grant or deny access to this page
MM_authorizedUsers="admin,professor"
MM_authFailedURL="login.asp"
MM_grantAccess=false
If Session("MM_Username") <> "" Then
    If (false Or CStr(Session("MM_UserAuthorization"))="") Or _
        (InStr(1,MM_authorizedUsers,Session("MM_UserAuthorization"))>=1)
Then
    MM_grantAccess = true
    End If
End If
If Not MM_grantAccess Then
    MM_qsChar = "?"
    If (InStr(1,MM_authFailedURL,"?") >= 1) Then MM_qsChar = "&"
    MM_referrer = Request.ServerVariables("URL")
    if (Len(Request.QueryString()) > 0) Then MM_referrer = MM_referrer & "?" &
Request.QueryString()
    MM_authFailedURL = MM_authFailedURL & MM_qsChar & "accessdenied="
& Server.URLEncode(MM_referrer)
    Response.Redirect(MM_authFailedURL)
End If
%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
' *** Edit Operations: declare variables

Dim MM_editAction
Dim MM_abortEdit
Dim MM_editQuery
Dim MM_editCmd

Dim MM_editConnection
Dim MM_editTable
Dim MM_editRedirectUrl
Dim MM_editColumn
Dim MM_recordId

Dim MM_fieldsStr
Dim MM_columnsStr
Dim MM_fields
Dim MM_columns
```

```

Dim MM_typeArray
Dim MM_formVal
Dim MM_delim
Dim MM_altVal
Dim MM_emptyVal
Dim MM_i

MM_editAction = CStr(Request.ServerVariables("SCRIPT_NAME"))
If (Request.QueryString <> "") Then
    MM_editAction = MM_editAction & "?" &
Server.HTMLEncode(Request.QueryString)
End If

' boolean to abort record edit
MM_abortEdit = false

' query string to execute
MM_editQuery = ""
%>
<%
' *** Insert Record: set variables

If (CStr(Request("MM_insert")) = "form1") Then

    MM_editConnection = MM_conn_DistanceLearning_STRING
    MM_editTable = "Subsection"
    MM_editRedirectUrl = "Test1_Confirm.asp"
    MM_fieldsStr =
"categoryid|value|header|value|description|value|content|value|keywords|value|author|value"
    MM_columnsStr =
"categoryid|none,none,NULL|subsectionName|',none,'|subsectionDescription|',none,'|con
tent|',none,'|keywords|',none,'|author|',none,'"

    ' create the MM_fields and MM_columns arrays
    MM_fields = Split(MM_fieldsStr, "|")
    MM_columns = Split(MM_columnsStr, "|")

    ' set the form values
    For MM_i = LBound(MM_fields) To UBound(MM_fields) Step 2
        MM_fields(MM_i+1) = CStr(Request.Form(MM_fields(MM_i)))
    Next

    ' append the query string to the redirect URL
    If (MM_editRedirectUrl <> "" And Request.QueryString <> "") Then

```

```

        If (InStr(1, MM_editRedirectUrl, "?", vbTextCompare) = 0 And
Request.QueryString <> "") Then
            MM_editRedirectUrl = MM_editRedirectUrl & "?" & Request.QueryString
        Else
            MM_editRedirectUrl = MM_editRedirectUrl & "&" & Request.QueryString
        End If
    End If
End If

```

```
End If
```

```
%>
```

```
<%
```

```
' *** Insert Record: construct a sql insert statement and execute it
```

```
Dim MM_tableValues
```

```
Dim MM_dbValues
```

```
If (CStr(Request("MM_insert")) <> "") Then
```

```
    ' create the sql insert statement
```

```
    MM_tableValues = ""
```

```
    MM_dbValues = ""
```

```
    For MM_i = LBound(MM_fields) To UBound(MM_fields) Step 2
```

```
        MM_formVal = MM_fields(MM_i+1)
```

```
        MM_typeArray = Split(MM_columns(MM_i+1),",")
```

```
        MM_delim = MM_typeArray(0)
```

```
        If (MM_delim = "none") Then MM_delim = ""
```

```
        MM_altVal = MM_typeArray(1)
```

```
        If (MM_altVal = "none") Then MM_altVal = ""
```

```
        MM_emptyVal = MM_typeArray(2)
```

```
        If (MM_emptyVal = "none") Then MM_emptyVal = ""
```

```
        If (MM_formVal = "") Then
```

```
            MM_formVal = MM_emptyVal
```

```
        Else
```

```
            If (MM_altVal <> "") Then
```

```
                MM_formVal = MM_altVal
```

```
            ElseIf (MM_delim = "") Then ' escape quotes
```

```
                MM_formVal = "" & Replace(MM_formVal,"","") & ""
```

```
            Else
```

```
                MM_formVal = MM_delim + MM_formVal + MM_delim
```

```
            End If
```

```
        End If
```

```
        If (MM_i <> LBound(MM_fields)) Then
```

```
            MM_tableValues = MM_tableValues & ","
```

```
            MM_dbValues = MM_dbValues & ","
```

```
        End If
```

```
    MM_tableValues = MM_tableValues & MM_columns(MM_i)
```

```

        MM_dbValues = MM_dbValues & MM_formVal
    Next
    MM_editQuery = "insert into " & MM_editTable & " (" & MM_tableValues &
") values (" & MM_dbValues & ")"

    If (Not MM_abortEdit) Then
        ' execute the insert
        Set MM_editCmd = Server.CreateObject("ADODB.Command")
        MM_editCmd.ActiveConnection = MM_editConnection
        MM_editCmd.CommandText = MM_editQuery
        MM_editCmd.Execute
        MM_editCmd.ActiveConnection.Close

        If (MM_editRedirectUrl <> "") Then
            Response.Redirect(MM_editRedirectUrl)
        End If
    End If

End If
%>
<%
Dim rs_category
Dim rs_category_numRows

Set rs_category = Server.CreateObject("ADODB.Recordset")
rs_category.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_category.Source = "SELECT * FROM Category ORDER BY categoryName
ASC"
rs_category.CursorType = 0
rs_category.CursorLocation = 2
rs_category.LockType = 1
rs_category.Open()

rs_category_numRows = 0
%>
<%
Dim rs_topic__MMColParam
rs_topic__MMColParam = "1"
If (Request.QueryString("topicid") <> "") Then
    rs_topic__MMColParam = Request.QueryString("topicid")
End If
%>
<%
Dim rs_topic
Dim rs_topic_numRows

```

```

Set rs_topic = Server.CreateObject("ADODB.Recordset")
rs_topic.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_topic.Source = "SELECT * FROM Topic WHERE topicid = " +
Replace(rs_topic__MMColParam, "", "") + ""
rs_topic.CursorType = 0
rs_topic.CursorLocation = 2
rs_topic.LockType = 1
rs_topic.Open()

rs_topic_numRows = 0
%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Insert Subsection Input Form</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
a:link {
    color: #CC3300;
}
a:visited {
    color: #CC3399;
}
a:hover {
    color: #000066;
}
a:active {
    color: #339900;
}
.style1 {color: #CC3300}
.style2 {color: #3300CC}
-->
</style>
</head>
<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
<tr>

```

```
  |
```



```
 <object classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000" codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver sion=5,0,0,0" width="100" height="23">     <param name="movie" value="button4.swf" />     <param name="quality" value="high" />     <param name="bgcolor" value="#DEDEBC" />     <embed src="button4.swf" quality="high" pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23" bgcolor="#DEDEBC"></embed> </object></td>  <object classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000" codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver sion=5,0,0,0" width="103" height="24">     <param name="movie" value="button5.swf" />     <param name="quality" value="high" />     <param name="bgcolor" value="#DEDEBC" />     <embed src="button5.swf" quality="high" pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24" bgcolor="#DEDEBC"></embed> </object></td> </tr> </table></td> </tr> <tr>  <hr /> <h3 align="center"> Insert Subsection&nbsp;into:&nbsp;<span class="style1"><%=rs_topic.Fields.Item("topicName").Value)%>&nbsp;<span class="style2">Topic</span></span></h3> <hr /> <form ACTION="<%=MM_editAction%>" METHOD="POST" name="form1" id="form1">     <table width="95%" border="1" align="center" cellpadding="3" cellspacing="0">         <tr>             <td>category</td>             <td><select name="categoryid" id="categoryid">                 <% While (NOT rs_category.EOF) %>                 <option value="<%=rs_category.Fields.Item("categoryid").Value)%>"><%=rs_category.Fields. Item("categoryName").Value)%></option>                 <% rs_category.MoveNext() | | |
```

```

Wend
If (rs_category.CursorType > 0) Then
    rs_category.MoveFirst
Else
    rs_category.Requery
End If
%>
        </select></td>
    </tr>
    <tr>
        <td>Subsection Header </td>
        <td><input name="header" type="text" id="header" size="60" /></td>
    </tr>
    <tr>
        <td>Subsection Description </td>
        <td><textarea          name="description"          cols="60"          rows="5"
id="description"></textarea></td>
    </tr>
    <tr>
        <td>Subsection Content </td>
        <td><textarea name="content" cols="60" rows="15" wrap="VIRTUAL"
id="content"></textarea></td>
    </tr>
    <tr>
        <td>Subsection Keywords </td>
        <td><textarea          name="keywords"          cols="60"          rows="5"
id="keywords"></textarea></td>
    </tr>
    <tr>
        <td><input name="author" type="hidden" id="author" value="<%=
Session("MM_Username") %>" />
        <input name="topicid" type="hidden" id="topicid" value="<%=
Request.QueryString("topicid") %>" /></td>
        <td><input name="Submit" type="submit" value="Submit" /></td>
    </tr>
</table>

    <input type="hidden" name="MM_insert" value="form1">
</form>    <p align="left">&nbsp;</p></td>
</tr>
<tr>
    <td>&nbsp;</td>
</tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>

```

```
</body>
</html>
<%
rs_category.Close()
Set rs_category = Nothing
%>
<%
rs_topic.Close()
Set rs_topic = Nothing
%>
```

18. Form_Insert_Category.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
' *** Restrict Access To Page: Grant or deny access to this page
MM_authorizedUsers="admin"
MM_authFailedURL="login.asp"
MM_grantAccess=false
If Session("MM_Username") <> "" Then
    If (false Or CStr(Session("MM_UserAuthorization"))="") Or _
        (InStr(1,MM_authorizedUsers,Session("MM_UserAuthorization"))>=1)
Then
    MM_grantAccess = true
    End If
End If
If Not MM_grantAccess Then
    MM_qsChar = "?"
    If (InStr(1,MM_authFailedURL,"?") >= 1) Then MM_qsChar = "&"
    MM_referrer = Request.ServerVariables("URL")
    if (Len(Request.QueryString()) > 0) Then MM_referrer = MM_referrer & "?" &
Request.QueryString()
    MM_authFailedURL = MM_authFailedURL & MM_qsChar & "accessdenied="
& Server.URLEncode(MM_referrer)
    Response.Redirect(MM_authFailedURL)
End If
%>
<%
' *** Edit Operations: declare variables

Dim MM_editAction
Dim MM_abortEdit
Dim MM_editQuery
Dim MM_editCmd

Dim MM_editConnection
Dim MM_editTable
Dim MM_editRedirectUrl
Dim MM_editColumn
Dim MM_recordId

Dim MM_fieldsStr
Dim MM_columnsStr
Dim MM_fields
Dim MM_columns
```

```

Dim MM_typeArray
Dim MM_formVal
Dim MM_delim
Dim MM_altVal
Dim MM_emptyVal
Dim MM_i

MM_editAction = CStr(Request.ServerVariables("SCRIPT_NAME"))
If (Request.QueryString <> "") Then
    MM_editAction = MM_editAction & "?" &
Server.HTMLEncode(Request.QueryString)
End If

' boolean to abort record edit
MM_abortEdit = false

' query string to execute
MM_editQuery = ""
%>
<%
' *** Insert Record: set variables

If (CStr(Request("MM_insert")) = "form1") Then

    MM_editConnection = MM_conn_DistanceLearning_STRING
    MM_editTable = "Category"
    MM_editRedirectUrl = "Form_Master_Category.asp"
    MM_fieldsStr = "categoryName|value|categoryDescription|value"
    MM_columnsStr = "categoryName|',none,'|categoryDescription|',none,'"

    ' create the MM_fields and MM_columns arrays
    MM_fields = Split(MM_fieldsStr, "|")
    MM_columns = Split(MM_columnsStr, "|")

    ' set the form values
    For MM_i = LBound(MM_fields) To UBound(MM_fields) Step 2
        MM_fields(MM_i+1) = CStr(Request.Form(MM_fields(MM_i)))
    Next

    ' append the query string to the redirect URL
    If (MM_editRedirectUrl <> "" And Request.QueryString <> "") Then
        If (InStr(1, MM_editRedirectUrl, "?", vbTextCompare) = 0 And
Request.QueryString <> "") Then
            MM_editRedirectUrl = MM_editRedirectUrl & "?" & Request.QueryString
        Else
            MM_editRedirectUrl = MM_editRedirectUrl & "&" & Request.QueryString
        End If
    End If
End If

```

```

    End If
End If

End If
%>
<%
' *** Insert Record: construct a sql insert statement and execute it

Dim MM_tableValues
Dim MM_dbValues

If (CStr(Request("MM_insert")) <> "") Then

    ' create the sql insert statement
    MM_tableValues = ""
    MM_dbValues = ""
    For MM_i = LBound(MM_fields) To UBound(MM_fields) Step 2
        MM_formVal = MM_fields(MM_i+1)
        MM_typeArray = Split(MM_columns(MM_i+1),",")
        MM_delim = MM_typeArray(0)
        If (MM_delim = "none") Then MM_delim = ""
        MM_altVal = MM_typeArray(1)
        If (MM_altVal = "none") Then MM_altVal = ""
        MM_emptyVal = MM_typeArray(2)
        If (MM_emptyVal = "none") Then MM_emptyVal = ""
        If (MM_formVal = "") Then
            MM_formVal = MM_emptyVal
        Else
            If (MM_altVal <> "") Then
                MM_formVal = MM_altVal
            ElseIf (MM_delim = "") Then ' escape quotes
                MM_formVal = "" & Replace(MM_formVal,"","") & ""
            Else
                MM_formVal = MM_delim + MM_formVal + MM_delim
            End If
        End If
    Next MM_i
    If (MM_i <> LBound(MM_fields)) Then
        MM_tableValues = MM_tableValues & ","
        MM_dbValues = MM_dbValues & ","
    End If
    MM_tableValues = MM_tableValues & MM_columns(MM_i)
    MM_dbValues = MM_dbValues & MM_formVal
Next MM_i
MM_editQuery = "insert into " & MM_editTable & " (" & MM_tableValues &
") values (" & MM_dbValues & ")"

```

```

If (Not MM_abortEdit) Then
    ' execute the insert
    Set MM_editCmd = Server.CreateObject("ADODB.Command")
    MM_editCmd.ActiveConnection = MM_editConnection
    MM_editCmd.CommandText = MM_editQuery
    MM_editCmd.Execute
    MM_editCmd.ActiveConnection.Close

    If (MM_editRedirectUrl <> "") Then
        Response.Redirect(MM_editRedirectUrl)
    End If
End If

End If
%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Insert Category Form</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
a:link {
    color: #CC3300;
}
a:visited {
    color: #CC3399;
}
a:hover {
    color: #000066;
}
a:active {
    color: #339900;
}
-->
</style>
<script language="JavaScript" type="text/JavaScript">
<!--
function MM_findObj(n, d) { //v4.01
    var p,i,x;  if(!d) d=document; if((p=n.indexOf("?"))>0&&parent.frames.length)
{
        d=parent.frames[n.substring(p+1)].document; n=n.substring(0,p);}
    if(!(x=d[n])&&d.all)    x=d.all[n];    for    (i=0;!x&&i<d.forms.length;i++)
x=d.forms[i][n];

```

```

        for(i=0;!x&& d.layers&&i<d.layers.length;i++)
x=MM_findObj(n,d.layers[i].document);
        if(!x && d.getElementById) x=d.getElementById(n); return x;
    }

function MM_validateForm() { //v4.0
    var i,p,q,nm,test,num,min,max,errors="",args=MM_validateForm.arguments;
    for (i=0; i<(args.length-2); i+=3) { test=args[i+2]; val=MM_findObj(args[i]);
        if (val) { nm=val.name; if ((val=val.value)!="") {
            if (test.indexOf('isEmail')!=-1) { p=val.indexOf('@');
                if (p<1 || p==(val.length-1)) errors+="- "+nm+" must contain an e-mail
address.\n";
            } else if (test!='R') { num = parseFloat(val);
                if (isNaN(val)) errors+="- "+nm+" must contain a number.\n";
                if (test.indexOf('inRange') != -1) { p=test.indexOf(':');
                    min=test.substring(8,p); max=test.substring(p+1);
                    if (num<min || max<num) errors+="- "+nm+" must contain a number
between '+min+' and '+max+'.\n";
                } } } else if (test.charAt(0) == 'R') errors += "- "+nm+" is required.\n"; }
        } if (errors) alert('The following error(s) occurred:\n'+errors);
        document.MM_returnValue = (errors == "");
    }
}
//-->
</script>
</head>
<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
    <tr>
        <td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
            <tr>
                <td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
            </td>
            </tr>
        </table></td>
    </tr>
    <tr>
        <td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
            <tr>
                <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">

```



```

        <param name="movie" value="button2.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed
            src="button2.swf"
            quality="high"
            pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Version=ShockwaveFlash"
            type="application/x-shockwave-flash"
            width="103" height="24"
            bgcolor="#DEDEBC"></embed>
    </object></td>
    <td
        width="14%"
        bgcolor="#DEDEBC"><object
            classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
            codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#version=5,0,0,0"
            name="Search"
            width="100" height="23" id="Search">
                <param name="movie" value="button1.swf" />
                <param name="quality" value="high" />
                <param name="bgcolor" value="#DEDEBC" />
                <embed
                    src="button1.swf"
                    width="100" height="23"
                    quality="high"
                    pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Version=ShockwaveFlash"
                    type="application/x-shockwave-flash"
                    bgcolor="#DEDEBC"
                    name="Search"></embed>
            </object></td>
    <td
        width="14%"
        bgcolor="#DEDEBC"><object
            classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
            codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#version=5,0,0,0"
            width="100" height="23">
                <param name="movie" value="button3.swf" />
                <param name="quality" value="high" />
                <param name="bgcolor" value="#DEDEBC" />
                <embed
                    src="button3.swf"
                    quality="high"
                    pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Version=ShockwaveFlash"
                    type="application/x-shockwave-flash"
                    width="100" height="23"
                    bgcolor="#DEDEBC"></embed>
            </object></td>
    <td
        width="14%"
        bgcolor="#DEDEBC"><object
            classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
            codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#version=5,0,0,0"
            width="100" height="23">
                <param name="movie" value="button4.swf" />
                <param name="quality" value="high" />
                <param name="bgcolor" value="#DEDEBC" />
                <embed
                    src="button4.swf"
                    quality="high"
                    pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Version=ShockwaveFlash"
                    type="application/x-shockwave-flash"
                    width="100" height="23"
                    bgcolor="#DEDEBC"></embed>
            </object></td>
    <td
        width="14%"
        bgcolor="#DEDEBC"><object
            classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"

```

```

codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
    <param name="movie" value="button5.swf" />
    <param name="quality" value="high" />
    <param name="bgcolor" value="#DEDEBC" />
    <embed
        src="button5.swf"
        quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
</object></td>
</tr>
</table></td>
</tr>
<tr>
<td><hr /> <h3 align="center"> Insert New Category Record </h3>
    <hr />
    <form
        name="form1"
        id="form1"
        method="POST"
action="<%=MM_editAction%>">
        <table width="95%" border="1" align="center" cellpadding="3"
cellspacing="0">
            <tr>
                <td width="32%">Category Name </td>
                <td width="68%"><input name="categoryName" type="text"
id="categoryName" size="60" /></td>
            </tr>
            <tr>
                <td>Category Description </td>
                <td><textarea name="categoryDescription" cols="60" rows="5"
id="categoryDescription"></textarea></td>
            </tr>
            <tr>
                <td>&nbsp;</td>
                <td><input name="Submit" type="submit"
onclick="MM_validateForm('categoryName','R','categoryDescription','R');return
document.MM_returnValue" value="Submit" /></td>
            </tr>
        </table>

        <input type="hidden" name="MM_insert" value="form1">
    </form> <p align="left">&nbsp;</p></td>
</tr>
<tr>
<td>&nbsp;</td>
</tr>
</table>
<p>&nbsp;</p>

```

```

<p>&nbsp;</p>
</body>
</html>

```

19. Form_Insert_Image.asp

```

<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
' *** Restrict Access To Page: Grant or deny access to this page
MM_authorizedUsers="admin,professor"
MM_authFailedURL="login.asp"
MM_grantAccess=false
If Session("MM_Username") <> "" Then
    If (false Or CStr(Session("MM_UserAuthorization"))="") Or _
        (InStr(1,MM_authorizedUsers,Session("MM_UserAuthorization"))>=1)
Then
        MM_grantAccess = true
    End If
End If
If Not MM_grantAccess Then
    MM_qsChar = "?"
    If (InStr(1,MM_authFailedURL,"?") >= 1) Then MM_qsChar = "&"
    MM_referrer = Request.ServerVariables("URL")
    if (Len(Request.QueryString()) > 0) Then MM_referrer = MM_referrer & "?" &
Request.QueryString()
    MM_authFailedURL = MM_authFailedURL & MM_qsChar & "accessdenied="
& Server.URLEncode(MM_referrer)
    Response.Redirect(MM_authFailedURL)
End If
%>
<%
' *** Edit Operations: declare variables

Dim MM_editAction
Dim MM_abortEdit
Dim MM_editQuery
Dim MM_editCmd

Dim MM_editConnection
Dim MM_editTable
Dim MM_editRedirectUrl
Dim MM_editColumn

```

```

Dim MM_recordId

Dim MM_fieldsStr
Dim MM_columnsStr
Dim MM_fields
Dim MM_columns
Dim MM_typeArray
Dim MM_formVal
Dim MM_delim
Dim MM_altVal
Dim MM_emptyVal
Dim MM_i

MM_editAction = CStr(Request.ServerVariables("SCRIPT_NAME"))
If (Request.QueryString <> "") Then
    MM_editAction = MM_editAction & "?" &
Server.HTMLEncode(Request.QueryString)
End If

' boolean to abort record edit
MM_abortEdit = false

' query string to execute
MM_editQuery = ""
%>
<%
' *** Insert Record: set variables

If (CStr(Request("MM_insert")) = "form1") Then

    MM_editConnection = MM_conn_DistanceLearning_STRING
    MM_editTable = "Graphic"
    MM_editRedirectUrl = "Confirm_Image.asp"
    MM_fieldsStr =
"graphicName|value|graphicDescription|value|graphicPath|value|author|value"
    MM_columnsStr =
"graphicName|',none,'|graphicDescription|',none,'|graphicPath|',none,'|author|',none,'"

    ' create the MM_fields and MM_columns arrays
    MM_fields = Split(MM_fieldsStr, "|")
    MM_columns = Split(MM_columnsStr, "|")

    ' set the form values
    For MM_i = LBound(MM_fields) To UBound(MM_fields) Step 2
        MM_fields(MM_i+1) = CStr(Request.Form(MM_fields(MM_i)))
    Next

```

```

' append the query string to the redirect URL
If (MM_editRedirectUrl <> "" And Request.QueryString <> "") Then
    If (InStr(1, MM_editRedirectUrl, "?", vbTextCompare) = 0 And
Request.QueryString <> "") Then
        MM_editRedirectUrl = MM_editRedirectUrl & "?" & Request.QueryString
    Else
        MM_editRedirectUrl = MM_editRedirectUrl & "&" & Request.QueryString
    End If
End If

End If
%>
<%
' *** Insert Record: construct a sql insert statement and execute it

Dim MM_tableValues
Dim MM_dbValues

If (CStr(Request("MM_insert")) <> "") Then

' create the sql insert statement
MM_tableValues = ""
MM_dbValues = ""
For MM_i = LBound(MM_fields) To UBound(MM_fields) Step 2
    MM_formVal = MM_fields(MM_i+1)
    MM_typeArray = Split(MM_columns(MM_i+1),",")
    MM_delim = MM_typeArray(0)
    If (MM_delim = "none") Then MM_delim = ""
    MM_altVal = MM_typeArray(1)
    If (MM_altVal = "none") Then MM_altVal = ""
    MM_emptyVal = MM_typeArray(2)
    If (MM_emptyVal = "none") Then MM_emptyVal = ""
    If (MM_formVal = "") Then
        MM_formVal = MM_emptyVal
    Else
        If (MM_altVal <> "") Then
            MM_formVal = MM_altVal
        ElseIf (MM_delim = "") Then ' escape quotes
            MM_formVal = "" & Replace(MM_formVal,"","") & ""
        Else
            MM_formVal = MM_delim + MM_formVal + MM_delim
        End If
    End If
    If (MM_i <> LBound(MM_fields)) Then
        MM_tableValues = MM_tableValues & ","
    End If

```

```

        MM_dbValues = MM_dbValues & ","
    End If
    MM_tableValues = MM_tableValues & MM_columns(MM_i)
    MM_dbValues = MM_dbValues & MM_formVal
Next
MM_editQuery = "insert into " & MM_editTable & " (" & MM_tableValues &
") values (" & MM_dbValues & ")"

If (Not MM_abortEdit) Then
    ' execute the insert
    Set MM_editCmd = Server.CreateObject("ADODB.Command")
    MM_editCmd.ActiveConnection = MM_editConnection
    MM_editCmd.CommandText = MM_editQuery
    MM_editCmd.Execute
    MM_editCmd.ActiveConnection.Close

    If (MM_editRedirectUrl <> "") Then
        Response.Redirect(MM_editRedirectUrl)
    End If
End If

End If
%>
<%
Dim rs_subsection__MMColParam
rs_subsection__MMColParam = "1"
If (Request.QueryString("subsectionid") <> "") Then
    rs_subsection__MMColParam = Request.QueryString("subsectionid")
End If
%>
<%
Dim rs_subsection
Dim rs_subsection_numRows

Set rs_subsection = Server.CreateObject("ADODB.Recordset")
rs_subsection.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_subsection.Source = "SELECT subsectionid, subsectionName FROM
Subsection WHERE subsectionid = " & Replace(rs_subsection__MMColParam, "", "")
+ ""

rs_subsection.CursorType = 0
rs_subsection.CursorLocation = 2
rs_subsection.LockType = 1
rs_subsection.Open()

rs_subsection_numRows = 0
%>

```

```

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Form Insert Image</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
a:link {
    color: #CC3300;
}
a:visited {
    color: #CC3399;
}
a:hover {
    color: #000066;
}
a:active {
    color: #339900;
}
.style1 {color: #CC0000}
-->
</style>
<script language="JavaScript" type="text/JavaScript">
<!--
function MM_findObj(n, d) { //v4.01
    var p,i,x;  if(!d) d=document; if((p=n.indexOf("?"))>0&&parent.frames.length)
{
    d=parent.frames[n.substring(p+1)].document; n=n.substring(0,p);}
    if(!(x=d[n])&&d.all)    x=d.all[n];    for    (i=0;!x&&i<d.forms.length;i++)
x=d.forms[i][n];
    for(i=0;!x&&d.layers&&i<d.layers.length;i++)
x=MM_findObj(n,d.layers[i].document);
    if(!x && d.getElementById) x=d.getElementById(n); return x;
}

function MM_validateForm() { //v4.0
    var i,p,q,nm,test,num,min,max,errors="",args=MM_validateForm.arguments;
    for (i=0; i<(args.length-2); i+=3) { test=args[i+2]; val=MM_findObj(args[i]);
        if (val) { nm=val.name; if ((val=val.value)!="") {
            if (test.indexOf('isEmail')!=-1) { p=val.indexOf('@');
                if (p<1 || p==(val.length-1)) errors+='- '+nm+' must contain an e-mail
address.\n';
            } else if (test!='R') { num = parseFloat(val);
                if (isNaN(val)) errors+='- '+nm+' must contain a number.\n';
            }
        }
    }
}

```

```

        if (test.indexOf('inRange') != -1) { p=test.indexOf(':');
            min=test.substring(8,p); max=test.substring(p+1);
            if (num<min || max<num) errors+="- "+nm+" must contain a number
between '+min+' and '+max+'.\n";
        } } } else if (test.charAt(0) == 'R') errors += "- "+nm+" is required.\n"; }
    } if (errors) alert("The following error(s) occurred:\n"+errors);
    document.MM_returnValue = (errors == "");
}
//-->
</script>
</head>
<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
    <tr>
        <td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
            <tr>
                <td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
            </td>
        </tr>
    </table></td>
    </tr>
    <tr>
        <td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
            <tr>
                <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
                    <param name="movie" value="button2.swf" />
                    <param name="quality" value="high" />
                    <param name="bgcolor" value="#DEDEBC" />
                    <embed
                        src="button2.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
                </object></td>
                <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
                    <param name="movie" value="button1.swf" />
                    <param name="quality" value="high" />

```



```

        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>
    </object></td>
    <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
        <param name="movie" value="button3.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button3.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
    </object></td>
    <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
        <param name="movie" value="button4.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button4.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
    </object></td>
    <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
        <param name="movie" value="button5.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button5.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
    </object></td>
</tr>
</table></td>
</tr>
</tr>

```

```

        <td><hr />
        <h3 align="center"> Insert Image into:<span
class="style1"><%=rs_subsection.Fields.Item("subsectionName").Value)%></span>Su
bsection </h3>
        <hr />
        <form name="form1" id="form1" method="POST"
action="<%=MM_editAction%>">
            <table width="95%" border="1" align="center" cellpadding="3"
cellspacing="0">
                <tr>
                    <td width="29%">Image Name </td>
                    <td width="71%"><input name="graphicName" type="text"
id="graphicName" size="60" /></td>
                </tr>
                <tr>
                    <td>Image Description </td>
                    <td><textarea name="graphicDescription" cols="60" rows="5"
id="graphicDescription"></textarea></td>
                </tr>
                <tr>
                    <td>Image Relative Path </td>
                    <td><input name="graphicPath" type="text" id="graphicPath" size="60"
/></td>
                </tr>
                <tr>
                    <td><input name="subsectionid" type="hidden" id="subsectionid"
value="<%= Request.QueryString("subsectionid") %>" />
                    <input name="author" type="hidden" id="author" value="<%=
Session("MM_Username") %>" /></td>
                    <td><input name="Submit" type="submit"
onclick="MM_validateForm('graphicName','R','graphicPath','R','graphicDescription','
'R');return document.MM_returnValue" value="Submit" /></td>
                </tr>
            </table>

            <input type="hidden" name="MM_insert" value="form1">
            </form> <p align="left">&nbsp;</p></td>
        </tr>
        <tr>
            <td>&nbsp;</td>
        </tr>
    </table>
    <p>&nbsp;</p>
    <p>&nbsp;</p>
</body>
</html>
<%

```

```
rs_subsection.Close()
Set rs_subsection = Nothing
%>
```

20. Form_Insert_Teach.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
' *** Restrict Access To Page: Grant or deny access to this page
MM_authorizedUsers="admin"
MM_authFailedURL="login.asp"
MM_grantAccess=false
If Session("MM_Username") <> "" Then
    If (false Or CStr(Session("MM_UserAuthorization"))="") Or _
        (InStr(1,MM_authorizedUsers,Session("MM_UserAuthorization"))>=1)
Then
        MM_grantAccess = true
    End If
End If
If Not MM_grantAccess Then
    MM_qsChar = "?"
    If (InStr(1,MM_authFailedURL,"?") >= 1) Then MM_qsChar = "&"
    MM_referrer = Request.ServerVariables("URL")
    if (Len(Request.QueryString()) > 0) Then MM_referrer = MM_referrer & "?" &
Request.QueryString()
    MM_authFailedURL = MM_authFailedURL & MM_qsChar & "accessdenied="
& Server.URLEncode(MM_referrer)
    Response.Redirect(MM_authFailedURL)
End If
%>
<%
' *** Edit Operations: declare variables

Dim MM_editAction
Dim MM_abortEdit
Dim MM_editQuery
Dim MM_editCmd

Dim MM_editConnection
Dim MM_editTable
Dim MM_editRedirectUrl
```

```

Dim MM_editColumn
Dim MM_recordId

Dim MM_fieldsStr
Dim MM_columnsStr
Dim MM_fields
Dim MM_columns
Dim MM_typeArray
Dim MM_formVal
Dim MM_delim
Dim MM_altVal
Dim MM_emptyVal
Dim MM_i

MM_editAction = CStr(Request.ServerVariables("SCRIPT_NAME"))
If (Request.QueryString <> "") Then
    MM_editAction = MM_editAction & "?" &
Server.HTMLEncode(Request.QueryString)
End If

' boolean to abort record edit
MM_abortEdit = false

' query string to execute
MM_editQuery = ""
%>
<%
' *** Insert Record: set variables

If (CStr(Request("MM_insert")) = "form1") Then

    MM_editConnection = MM_conn_DistanceLearning_STRING
    MM_editTable = "Teach"
    MM_editRedirectUrl = "Form_Master_Teach.asp"
    MM_fieldsStr = "professorid|value|courseid|value|room|value"
    MM_columnsStr =
"professorid|none,none,NULL|courseid|none,none,NULL|room|",none,""

    ' create the MM_fields and MM_columns arrays
    MM_fields = Split(MM_fieldsStr, "|")
    MM_columns = Split(MM_columnsStr, "|")

    ' set the form values
    For MM_i = LBound(MM_fields) To UBound(MM_fields) Step 2
        MM_fields(MM_i+1) = CStr(Request.Form(MM_fields(MM_i)))
    Next

```

```

' append the query string to the redirect URL
If (MM_editRedirectUrl <> "" And Request.QueryString <> "") Then
    If (InStr(1, MM_editRedirectUrl, "?", vbTextCompare) = 0 And
Request.QueryString <> "") Then
        MM_editRedirectUrl = MM_editRedirectUrl & "?" & Request.QueryString
    Else
        MM_editRedirectUrl = MM_editRedirectUrl & "&" & Request.QueryString
    End If
End If

End If
%>
<%
' *** Insert Record: construct a sql insert statement and execute it

Dim MM_tableValues
Dim MM_dbValues

If (CStr(Request("MM_insert")) <> "") Then

    ' create the sql insert statement
    MM_tableValues = ""
    MM_dbValues = ""
    For MM_i = LBound(MM_fields) To UBound(MM_fields) Step 2
        MM_formVal = MM_fields(MM_i+1)
        MM_typeArray = Split(MM_columns(MM_i+1),",")
        MM_delim = MM_typeArray(0)
        If (MM_delim = "none") Then MM_delim = ""
        MM_altVal = MM_typeArray(1)
        If (MM_altVal = "none") Then MM_altVal = ""
        MM_emptyVal = MM_typeArray(2)
        If (MM_emptyVal = "none") Then MM_emptyVal = ""
        If (MM_formVal = "") Then
            MM_formVal = MM_emptyVal
        Else
            If (MM_altVal <> "") Then
                MM_formVal = MM_altVal
            ElseIf (MM_delim = "") Then ' escape quotes
                MM_formVal = "" & Replace(MM_formVal,"","") & ""
            Else
                MM_formVal = MM_delim + MM_formVal + MM_delim
            End If
        End If
        If (MM_i <> LBound(MM_fields)) Then
            MM_tableValues = MM_tableValues & ","

```

```

        MM_dbValues = MM_dbValues & ","
    End If
    MM_tableValues = MM_tableValues & MM_columns(MM_i)
    MM_dbValues = MM_dbValues & MM_formVal
Next
MM_editQuery = "insert into " & MM_editTable & " (" & MM_tableValues &
") values (" & MM_dbValues & ")"

If (Not MM_abortEdit) Then
    ' execute the insert
    Set MM_editCmd = Server.CreateObject("ADODB.Command")
    MM_editCmd.ActiveConnection = MM_editConnection
    MM_editCmd.CommandText = MM_editQuery
    MM_editCmd.Execute
    MM_editCmd.ActiveConnection.Close

    If (MM_editRedirectUrl <> "") Then
        Response.Redirect(MM_editRedirectUrl)
    End If
End If

End If
%>
<%
Dim rs_professor
Dim rs_professor_numRows

Set rs_professor = Server.CreateObject("ADODB.Recordset")
rs_professor.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_professor.Source = "SELECT * FROM User ORDER BY lastName ASC"
rs_professor.CursorType = 0
rs_professor.CursorLocation = 2
rs_professor.LockType = 1
rs_professor.Open()

rs_professor_numRows = 0
%>
<%
Dim rs_course
Dim rs_course_numRows

Set rs_course = Server.CreateObject("ADODB.Recordset")
rs_course.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_course.Source = "SELECT * FROM Course ORDER BY courseCode ASC"
rs_course.CursorType = 0
rs_course.CursorLocation = 2

```

```

rs_course.LockType = 1
rs_course.Open()

rs_course_numRows = 0
%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Add&quot;Teach&quot;Recoed</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
a:link {
    color: #CC3300;
}
a:visited {
    color: #CC3399;
}
a:hover {
    color: #000066;
}
a:active {
    color: #339900;
}
-->
</style></head>
<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
<tr>
<td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
</td>
</tr>
</table></td>
</tr>
<tr>
<td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
<tr>

```

```

<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
  <param name="movie" value="button2.swf" />
  <param name="quality" value="high" />
  <param name="bgcolor" value="#DEDEBC" />
  <embed src="button2.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
</object></td>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
  <param name="movie" value="button1.swf" />
  <param name="quality" value="high" />
  <param name="bgcolor" value="#DEDEBC" />
  <embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>
</object></td>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
  <param name="movie" value="button3.swf" />
  <param name="quality" value="high" />
  <param name="bgcolor" value="#DEDEBC" />
  <embed src="button3.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
</object></td>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
  <param name="movie" value="button4.swf" />
  <param name="quality" value="high" />
  <param name="bgcolor" value="#DEDEBC" />
  <embed src="button4.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve

```



```

rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
</object></td>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
<param name="movie" value="button5.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />
<embed src="button5.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
</object></td>
</tr>
</table></td>
</tr>
<tr>
<td><hr /> <h3 align="center"> Add New &quot;Teach&quot; Record </h3>
<hr />
<form name="form1" id="form1" method="POST"
action="<%=MM_editAction%>">
<table width="95%" border="1" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td>Select Professor </td>
<td><select name="professorid" id="professorid">
<%
While (NOT rs_professor.EOF)
%>
<option
value="<%=rs_professor.Fields.Item("userid").Value%>"><%=rs_professor.Fields.Ite
m("lastName").Value%></option>
<%
rs_professor.MoveNext()
Wend
If (rs_professor.CursorType > 0) Then
rs_professor.MoveFirst
Else
rs_professor.Requery
End If
%>
</select></td>
</tr>
</tr>

```

```

        <td>Select Course </td>
        <td><select name="courseid" id="courseid">
            <%
While (NOT rs_course.EOF)
%>
            <option
value="<%=rs_course.Fields.Item("courseid").Value)%>"><%=rs_course.Fields.Item("
courseCode").Value)%></option>
            <%
            rs_course.MoveNext()
Wend
If (rs_course.CursorType > 0) Then
    rs_course.MoveFirst
Else
    rs_course.Requery
End If
%>
        </select></td>
    </tr>
    <tr>
        <td>Room</td>
        <td><input name="room" type="text" id="room" /></td>
    </tr>
    <tr>
        <td>&nbsp;</td>
        <td><input type="submit" name="Submit" value="Submit" /></td>
    </tr>
</table>

    <input type="hidden" name="MM_insert" value="form1">
</form>    <p align="left">&nbsp;</p></td>
</tr>
<tr>
    <td>&nbsp;</td>
</tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>
<%
rs_professor.Close()
Set rs_professor = Nothing
%>
<%
rs_course.Close()

```

```
Set rs_course = Nothing
%>
```

21. Form_Master_Admin.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<%
' *** Restrict Access To Page: Grant or deny access to this page
MM_authorizedUsers="admin"
MM_authFailedURL="login.asp"
MM_grantAccess=false
If Session("MM_Username") <> "" Then
    If (false Or CStr(Session("MM_UserAuthorization"))="") Or _
        (InStr(1,MM_authorizedUsers,Session("MM_UserAuthorization"))>=1)
Then
    MM_grantAccess = true
    End If
End If
If Not MM_grantAccess Then
    MM_qsChar = "?"
    If (InStr(1,MM_authFailedURL,"?") >= 1) Then MM_qsChar = "&"
    MM_referrer = Request.ServerVariables("URL")
    if (Len(Request.QueryString()) > 0) Then MM_referrer = MM_referrer & "?" &
Request.QueryString()
    MM_authFailedURL = MM_authFailedURL & MM_qsChar & "accessdenied="
& Server.URLEncode(MM_referrer)
    Response.Redirect(MM_authFailedURL)
End If
%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Template</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
a:link {
    color: #CC3300;
}
```

```

a:visited {
    color: #CC3399;
}
a:hover {
    color: #000066;
}
a:active {
    color: #339900;
}
.style1 {color: #336633}
-->
</style></head>
<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
    <tr>
        <td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
            <tr>
                <td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
            </td>
        </tr>
    </table></td>
    <tr>
        <td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
            <tr>
                <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
                    <param name="movie" value="button2.swf" />
                    <param name="quality" value="high" />
                    <param name="bgcolor" value="#DEDEBC" />
                    <embed src="button2.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
                </object></td>
                <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
                    <param name="movie" value="button1.swf" />

```

```

        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>
    </object></td>
    <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
        <param name="movie" value="button3.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button3.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
    </object></td>
    <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
        <param name="movie" value="button4.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button4.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
    </object></td>
    <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
        <param name="movie" value="button5.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button5.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
    </object></td>
</tr>
</table></td>
</tr>

```

```

        <tr>
        <td><hr />    <h3 align="center"> <span class="style1">Administrator</span>
Master Form </h3>
        <hr />
        <table    width="45%"        border="1"    align="center"    cellpadding="3"
cellspacing="0">
        <tr>
        <td width="71%"><strong>Alter User Record </strong></td>
        <td width="29%"><object    classid="clsid:D27CDB6E-AE6D-11cf-96B8-
444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="20">
        <param name="movie" value="button8.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed
        src="button8.swf"                quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="20"
bgcolor="#DEDEBC"></embed>
        </object></td>
        </tr>
        <tr>
        <td><strong>Alter Category Record </strong></td>
        <td><object    classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="20">
        <param name="movie" value="Category.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed
        src="Category.swf"                quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="20"
bgcolor="#DEDEBC"></embed>
        </object></td>
        </tr>
        <tr>
        <td><strong>Alter &quot;Teach&quot; Record </strong></td>
        <td><object    classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="20">
        <param name="movie" value="Teach.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed
        src="Teach.swf"                quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve

```

```

rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="20"
bgcolor="#DEDEBC"></embed>
    </object></td>
  </tr>
</table>
<p>&nbsp;</p>
<p align="left">&nbsp;</p></td>
</tr>
<tr>
  <td>&nbsp;</td>
</tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>

```

_Master_Category.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
' *** Restrict Access To Page: Grant or deny access to this page
MM_authorizedUsers="admin"
MM_authFailedURL="login.asp"
MM_grantAccess=false
If Session("MM_Username") <> "" Then
    If (false Or CStr(Session("MM_UserAuthorization"))="") Or _
        (InStr(1,MM_authorizedUsers,Session("MM_UserAuthorization"))>=1)
Then
    MM_grantAccess = true
    End If
End If
If Not MM_grantAccess Then
    MM_qsChar = "?"
    If (InStr(1,MM_authFailedURL,"?") >= 1) Then MM_qsChar = "&"
    MM_referrer = Request.ServerVariables("URL")
    if (Len(Request.QueryString()) > 0) Then MM_referrer = MM_referrer & "?" &
Request.QueryString()
    MM_authFailedURL = MM_authFailedURL & MM_qsChar & "accessdenied="
& Server.URLEncode(MM_referrer)
    Response.Redirect(MM_authFailedURL)
End If
%>
<%
Dim rs_category
Dim rs_category_numRows

Set rs_category = Server.CreateObject("ADODB.Recordset")
rs_category.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_category.Source = "SELECT * FROM Category ORDER BY categoryName
ASC"
rs_category.CursorType = 0
rs_category.CursorLocation = 2
rs_category.LockType = 1
rs_category.Open()

rs_category_numRows = 0
%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
```



```

<head>
<title>Distance Learning: Master Category Form</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
a:link {
    color: #CC3300;
}
a:visited {
    color: #CC3399;
}
a:hover {
    color: #000066;
}
a:active {
    color: #339900;
}
.style1 {color: #336633}
-->
</style></head>
<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
<tr>
<td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
</td>
</tr>
</table></td>
</tr>
<tr>
<td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
<tr>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
<param name="movie" value="button2.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />

```

```

                <embed
                    src="button2.swf"
                    quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
            </object></td>
            <td
                width="14%"
                bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
                <param name="movie" value="button1.swf" />
                <param name="quality" value="high" />
                <param name="bgcolor" value="#DEDEBC" />
                <embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>
            </object></td>
            <td
                width="14%"
                bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
                <param name="movie" value="button3.swf" />
                <param name="quality" value="high" />
                <param name="bgcolor" value="#DEDEBC" />
                <embed
                    src="button3.swf"
                    quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
            </object></td>
            <td
                width="14%"
                bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
                <param name="movie" value="button4.swf" />
                <param name="quality" value="high" />
                <param name="bgcolor" value="#DEDEBC" />
                <embed
                    src="button4.swf"
                    quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
            </object></td>
            <td
                width="14%"
                bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
                <param name="movie" value="button5.swf" />

```

```

        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed
            src="button5.swf"
            quality="high"
            pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Version=ShockwaveFlash"
            type="application/x-shockwave-flash"
            width="103" height="24"
            bgcolor="#DEDEBC"></embed>
    </object></td>
</tr>
</table></td>
</tr>
<tr>
    <td><hr />
    <h3 align="center">
        <span class="style1">Category</span>
        Master Form </h3>
        <hr />
        <form
            name="form1"
            id="form1"
            method="get"
            action="Form_Insert_Category.asp">
            <table
                width="95%"
                border="1"
                align="center"
                cellpadding="3"
                cellspacing="0">
                <tr>
                    <td width="40%"><strong>Add New Category </strong></td>
                    <td width="60%"><input type="submit" name="Submit" value="Submit"
/></td>
                </tr>
            </table>
        </form>
        <form
            name="form2"
            id="form2"
            method="get"
            action="Form_Update_Category.asp">
            <table
                width="95%"
                border="1"
                align="center"
                cellpadding="3"
                cellspacing="0">
                <tr>
                    <td
                        width="40%"><strong>Update Existing Category Record
</strong></td>
                    <td width="60%"><select name="categoryid" id="categoryid">
                        <%
                            While (NOT rs_category.EOF)
                                %>
                                    <option
value="<%=rs_category.Fields.Item("categoryid").Value)%>"><%=rs_category.Fields.
Item("categoryName").Value)%></option>
                                <%
                                    rs_category.MoveNext()
                                Wend
                                If (rs_category.CursorType > 0) Then
                                    rs_category.MoveFirst
                                Else
                                    rs_category.Requery

```

```

End If
%>
    </select>
    <input type="submit" name="Submit2" value="Submit" /></td>
</tr>
</table>
</form>
<form          name="form3"          id="form3"          method="get"
action="Form_Delete_Category.asp">
    <table  width="95%"          border="1"  align="center"  cellpadding="3"
cellspacing="0">
        <tr>
            <td  width="40%"><strong>Delete    Existing    Category    Record
</strong></td>
            <td width="60%"><select name="categoryid" id="categoryid">
                <%
While (NOT rs_category.EOF)
%>
                    <option
value="<%=rs_category.Fields.Item("categoryid").Value)%>"><%=rs_category.Fields.
Item("categoryName").Value)%></option>
                <%
                    rs_category.MoveNext()
Wend
If (rs_category.CursorType > 0) Then
    rs_category.MoveFirst
Else
    rs_category.Requery
End If
%>
                    </select>
                    <input type="submit" name="Submit3" value="Submit" /></td>
                </tr>
            </table>
        </form>    <p>&nbsp;</p>
        <p>&nbsp;</p>
        <p align="left">&nbsp;</p></td>
    </tr>
    <tr>
        <td>&nbsp;</td>
    </tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>

```

```

<%
rs_category.Close()
Set rs_category = Nothing
%>

```

23. Form_Master_Teach.asp

```

<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
' *** Restrict Access To Page: Grant or deny access to this page
MM_authorizedUsers="admin"
MM_authFailedURL="login.asp"
MM_grantAccess=false
If Session("MM_Username") <> "" Then
    If (false Or CStr(Session("MM_UserAuthorization"))="") Or _
        (InStr(1,MM_authorizedUsers,Session("MM_UserAuthorization"))>=1)
Then
    MM_grantAccess = true
    End If
End If
If Not MM_grantAccess Then
    MM_qsChar = "?"
    If (InStr(1,MM_authFailedURL,"?") >= 1) Then MM_qsChar = "&"
    MM_referrer = Request.ServerVariables("URL")
    if (Len(Request.QueryString()) > 0) Then MM_referrer = MM_referrer & "?" &
Request.QueryString()
    MM_authFailedURL = MM_authFailedURL & MM_qsChar & "accessdenied="
& Server.URLEncode(MM_referrer)
    Response.Redirect(MM_authFailedURL)
End If
%>
<%
Dim rs_professor
Dim rs_professor_numRows

Set rs_professor = Server.CreateObject("ADODB.Recordset")
rs_professor.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_professor.Source = "SELECT * FROM User ORDER BY lastName ASC"
rs_professor.CursorType = 0
rs_professor.CursorLocation = 2

```

```

rs_professor.LockType = 1
rs_professor.Open()

rs_professor_numRows = 0
%>
<%
Dim rs_course
Dim rs_course_numRows

Set rs_course = Server.CreateObject("ADODB.Recordset")
rs_course.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_course.Source = "SELECT * FROM Course ORDER BY courseCode ASC"
rs_course.CursorType = 0
rs_course.CursorLocation = 2
rs_course.LockType = 1
rs_course.Open()

rs_course_numRows = 0
%>
<%
Dim rs_professorTeach
Dim rs_professorTeach_numRows

Set rs_professorTeach = Server.CreateObject("ADODB.Recordset")
rs_professorTeach.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_professorTeach.Source = "SELECT User.lastName, User.userid FROM
Teach, User WHERE User.userid= Teach.professorid"
rs_professorTeach.CursorType = 0
rs_professorTeach.CursorLocation = 2
rs_professorTeach.LockType = 1
rs_professorTeach.Open()

rs_professorTeach_numRows = 0
%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Teach Master Form</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
a:link {
    color: #CC3300;
}

```

```

a:visited {
    color: #CC3399;
}
a:hover {
    color: #000066;
}
a:active {
    color: #339900;
}
.style1 {color: #336633}
-->
</style></head>
<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
<tr>
<td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
</td>
</tr>
</table></td>
</tr>
<tr>
<td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
<tr>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
<param name="movie" value="button2.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />
<embed src="button2.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
</object></td>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
<param name="movie" value="button1.swf" />

```

```

        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>
    </object></td>
    <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
        <param name="movie" value="button3.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button3.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
    </object></td>
    <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
        <param name="movie" value="button4.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button4.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
    </object></td>
    <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
        <param name="movie" value="button5.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button5.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
    </object></td>
</tr>
</table></td>
</tr>

```



```

        <tr>
            <td><hr />
                <h3 align="center">
                    <span
class="style1">&quot;Teach&quot;</span> Master Form </h3>
                <hr />
                <form
                    name="form1"
                    id="form1"
                    method="get"
action="Form_Insert_Teach.asp">
                    <table width="95%"
                        border="1"
                        align="center"
                        cellpadding="3"
cellspacing="0">
                        <tr>
                            <td width="39%"><strong>Add New &quot;Teach&quot; Record
</strong></td>
                            <td width="61%"><input type="submit" name="Submit" value="Submit"
/></td>
                        </tr>
                    </table>
                </form>
                <form
                    name="form3"
                    id="form3"
                    method="get"
action="Form_Delete_Teach.asp">
                    <table width="95%"
                        border="1"
                        align="center"
                        cellpadding="3"
cellspacing="0">
                        <tr>
                            <td width="39%"><strong>Delete Existing &quot;Teach&quot; Record
</strong></td>
                            <td width="61%"><select name="professorid" id="professorid">
                                <%
While (NOT rs_professorTeach.EOF)
%>
                                <option
value="<%=rs_professorTeach.Fields.Item("userid").Value%>"><%=rs_professorTea
ch.Fields.Item("lastName").Value%></option>
                                <%
rs_professorTeach.MoveNext()
Wend
If (rs_professorTeach.CursorType > 0) Then
rs_professorTeach.MoveFirst
Else
rs_professorTeach.Requery
End If
%>
                                </select>
                                <select name="courseid" id="courseid">
                                    <%
While (NOT rs_course.EOF)
%>

```

```

        <option
value="<%=rs_course.Fields.Item("courseid").Value)%>"><%=rs_course.Fields.Item("
courseCode").Value)%></option>
        <%
        rs_course.MoveNext()
Wend
If (rs_course.CursorType > 0) Then
    rs_course.MoveFirst
Else
    rs_course.Requery
End If
%>
        </select>
        <input type="submit" name="Submit3" value="Submit" /></td>
    </tr>
</table>
</form>    <p>&nbsp;</p>    <p>&nbsp;</p>
    <p align="left">&nbsp;</p></td>
</tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>
<%
rs_professor.Close()
Set rs_professor = Nothing
%>
<%
rs_course.Close()
Set rs_course = Nothing
%>
<%
rs_professorTeach.Close()
Set rs_professorTeach = Nothing
%>

```

orm_Master_User.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
' *** Restrict Access To Page: Grant or deny access to this page
MM_authorizedUsers="admin"
MM_authFailedURL="login.asp"
MM_grantAccess=false
If Session("MM_Username") <> "" Then
    If (false Or CStr(Session("MM_UserAuthorization"))="" ) Or _
        (InStr(1,MM_authorizedUsers,Session("MM_UserAuthorization"))>=1)
Then
        MM_grantAccess = true
    End If
End If
If Not MM_grantAccess Then
    MM_qsChar = "?"
    If (InStr(1,MM_authFailedURL,"?") >= 1) Then MM_qsChar = "&"
    MM_referrer = Request.ServerVariables("URL")
    if (Len(Request.QueryString()) > 0) Then MM_referrer = MM_referrer & "?" &
Request.QueryString()
    MM_authFailedURL = MM_authFailedURL & MM_qsChar & "accessdenied="
& Server.URLEncode(MM_referrer)
    Response.Redirect(MM_authFailedURL)
End If
%>
<%
Dim rs_user
Dim rs_user_numRows

Set rs_user = Server.CreateObject("ADODB.Recordset")
rs_user.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_user.Source = "SELECT * FROM User"
rs_user.CursorType = 0
rs_user.CursorLocation = 2
rs_user.LockType = 1
rs_user.Open()

rs_user_numRows = 0
%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
```

```

<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Form Master User</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
a:link {
    color: #CC3300;
}
a:visited {
    color: #CC3399;
}
a:hover {
    color: #000066;
}
a:active {
    color: #339900;
}
.style1 {color: #336600}
-->
</style></head>
<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
<tr>
<td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
</td>
</tr>
</table></td>
</tr>
<tr>
<td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
<tr>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
<param name="movie" value="button2.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />

```

```

                <embed
                    src="button2.swf"
                    quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
            </object></td>
            <td
                width="14%"
                bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
                <param name="movie" value="button1.swf" />
                <param name="quality" value="high" />
                <param name="bgcolor" value="#DEDEBC" />
                <embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>
            </object></td>
            <td
                width="14%"
                bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
                <param name="movie" value="button3.swf" />
                <param name="quality" value="high" />
                <param name="bgcolor" value="#DEDEBC" />
                <embed
                    src="button3.swf"
                    quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
            </object></td>
            <td
                width="14%"
                bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
                <param name="movie" value="button4.swf" />
                <param name="quality" value="high" />
                <param name="bgcolor" value="#DEDEBC" />
                <embed
                    src="button4.swf"
                    quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
            </object></td>
            <td
                width="14%"
                bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
                <param name="movie" value="button5.swf" />

```

```

        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed
            src="button5.swf"
            quality="high"
            pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
            rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
            bgcolor="#DEDEBC"></embed>
    </object></td>
</tr>
</table></td>
</tr>
<tr>
    <td><hr />    <h3 align="center"> <span class="style1">User</span> Master
    Form </h3>
    <hr />
    <form
        name="frm_addUser"
        id="frm_addUser"
        method="get"
        action="User_Input_Form.asp">
        <table
            width="58%"
            border="1"
            align="center"
            cellpadding="3"
            cellspacing="0">
            <tr>
                <td width="56%"><strong>Add New User </strong></td>
                <td width="44%"><input type="submit" name="Submit" value="Submit"
            /></td>
            </tr>
        </table>
    </form>
    <form
        name="frm_updateUser"
        id="frm_updateUser"
        method="get"
        action="Form_Update_User.asp">
        <table
            width="58%"
            border="1"
            align="center"
            cellpadding="3"
            cellspacing="0">
            <tr>
                <td width="56%"><strong>Update User Record </strong></td>
                <td width="44%"><select name="userid" id="userid">
                <%
                While (NOT rs_user.EOF)
                %>
                    <option
                    value="<%=rs_user.Fields.Item("userid").Value%>"><%=rs_user.Fields.Item("lastNa
                    me").Value%></option>
                <%
                rs_user.MoveNext()
                Wend
                If (rs_user.CursorType > 0) Then
                rs_user.MoveFirst
                Else
                rs_user.Requery
                End If

```

```

%>
    </select>
    <input type="submit" name="Submit2" value="Submit" /></td>
</tr>
</table>
</form>
<form name="frm_deleteUser" id="frm_deleteUser" method="get"
action="Form_Delete_User.asp">
    <table width="58%" border="1" align="center" cellpadding="3"
cellspacing="0">
        <tr>
            <td width="56%"><strong>Delete User Record </strong></td>
            <td width="44%"><select name="userid" id="userid">
                <%
While (NOT rs_user.EOF)
%>
                    <option
value="<%=rs_user.Fields.Item("userid").Value)%%"><%=rs_user.Fields.Item("lastNa
me").Value)%%"></option>
                <%
                    rs_user.MoveNext()
Wend
If (rs_user.CursorType > 0) Then
    rs_user.MoveFirst
Else
    rs_user.Requery
End If
%>
            </select>
            <input type="submit" name="Submit3" value="Submit" /></td>
        </tr>
    </table>
</form>    <p align="left">&nbsp;</p></td>
</tr>
<tr>
    <td>&nbsp;</td>
</tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>
<%
rs_user.Close()
Set rs_user = Nothing
%>

```

25. Form_Subject_Master.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
' *** Restrict Access To Page: Grant or deny access to this page
MM_authorizedUsers="admin,professor"
MM_authFailedURL="login.asp"
MM_grantAccess=false
If Session("MM_Username") <> "" Then
    If (false Or CStr(Session("MM_UserAuthorization"))="") Or _
        (InStr(1,MM_authorizedUsers,Session("MM_UserAuthorization"))>=1)
Then
    MM_grantAccess = true
End If
End If
If Not MM_grantAccess Then
    MM_qsChar = "?"
    If (InStr(1,MM_authFailedURL,"?") >= 1) Then MM_qsChar = "&"
    MM_referrer = Request.ServerVariables("URL")
    if (Len(Request.QueryString()) > 0) Then MM_referrer = MM_referrer & "?" &
Request.QueryString()
    MM_authFailedURL = MM_authFailedURL & MM_qsChar & "accessdenied="
& Server.URLEncode(MM_referrer)
    Response.Redirect(MM_authFailedURL)
End If
%>
<%
Dim rs_subject__MMColParam
rs_subject__MMColParam = "1"
If (Request.QueryString("courseid") <> "") Then
    rs_subject__MMColParam = Request.QueryString("courseid")
End If
%>
<%
Dim rs_subject
Dim rs_subject_numRows

Set rs_subject = Server.CreateObject("ADODB.Recordset")
rs_subject.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_subject.Source = "SELECT * FROM Subject WHERE courseid = " +
Replace(rs_subject__MMColParam, "'", "''") + " ORDER BY subjectName ASC"
rs_subject.CursorType = 0
rs_subject.CursorLocation = 2
rs_subject.LockType = 1
```



```

rs_subject.Open()

rs_subject_numRows = 0
%>
<%
Dim Courses__MMColParam
Courses__MMColParam = "1"
If (Request.QueryString("courseid") <> "") Then
    Courses__MMColParam = Request.QueryString("courseid")
End If
%>
<%
Dim Courses
Dim Courses_numRows

Set Courses = Server.CreateObject("ADODB.Recordset")
Courses.ActiveConnection = MM_conn_DistanceLearning_STRING
Courses.Source = "SELECT courseid, courseCode, courseName FROM Course
WHERE courseid = " + Replace(Courses__MMColParam, "'", "''") + " ORDER BY
courseCode ASC"
Courses.CursorType = 0
Courses.CursorLocation = 2
Courses.LockType = 1
Courses.Open()

Courses_numRows = 0
%>
<%
Dim searchMethod

searchMethod = Request.QueryString("radiobutton")
If searchMethod = 1 Then
    Response.Redirect("Keyword_Request.asp")

End If

%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Subject Master Form</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--

```

```

.style1 {color: #CC3300}
.style3 {color: #CC3300; font-weight: bold; }
.style4 {color: #336600}
-->
</style>
</head>
<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
<tr>
<td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
</td>
</tr>
</table></td>
</tr>
<tr>
<td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
<tr>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
<param name="movie" value="button2.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />
<embed src="button2.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
</object></td>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
<param name="movie" value="button1.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />
<embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>

```

```

        </object></td>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
        <param name="movie" value="button3.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button3.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
        </object></td>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
        <param name="movie" value="button4.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button4.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
        </object></td>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
        <param name="movie" value="button5.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button5.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
        </object></td>
    </tr>
</table></td>
</tr>
<tr>
    <td><hr />
    <h3 align="center"><span class="style4">Subject</span> Master
Form
                                for
                                Course:<span
class="style1"><%= (Courses.Fields.Item("courseCode").Value)%></span> </h3>
    <hr />
    </td>
</tr>

```

```

        <tr>
        <td><form      name="frmSubject"      id="frmSubject"      method="get"
action="Form_Topic_Master.asp">
        <div align="center"><br />
        <table width="95%" border="1" cellspacing="0" cellpadding="3">
        <tr>
        <td width="44%"><div align="left"><strong>Existing Subject Content
        </strong><br />(Insert, Modify, Delete content ONLY)</div></td>
        <td width="56%"><div align="left">
        <select name="subjectid" id="subjectid">
        <%
While (NOT rs_subject.EOF)
%>
                <option
value="<%=rs_subject.Fields.Item("subjectid").Value)%>"><%=rs_subject.Fields.Item
("subjectName").Value)%></option>
                <%
                rs_subject.MoveNext()
Wend
If (rs_subject.CursorType > 0) Then
                rs_subject.MoveFirst
Else
                rs_subject.Requery
End If
%>
                </select>
                <input type="submit" name="Submit" value="Continue" />
        </div></td>
        </tr>
        </table>
        </div>
        </form>
        <form      name="frm_addSubject"      id="frm_addSubject"      method="get"
action="Form_Add_Subject.asp">
        <table      width="95%"      border="1"      align="center"      cellpadding="3"
cellspacing="0">
        <tr>
        <td width="44%"><strong>Insert New Subject Record
        </strong><br />(Subject      Name,      Description)<span
class="style3"><%=rs_subject.Fields.Item("courseCode").Value)%></span> </td>
        <td width="56%"><input name="courseid" type="hidden" id="courseid"
value="<%= Request.QueryString("courseid") %>" />      &nbsp;
        <input type="submit" name="Submit5" value="Insert" /></td>
        </tr>
        </table>
        </form>

```

```

        <form      name="frm_subject"      id="frm_subject"      method="get"
action="Form_Update_Subject.asp">
        <table   width="95%"      border="1"   align="center"   cellpadding="3"
cellspacing="0">
        <tr>
        <td width="44%"><strong>Update Existing Subject Record
        </strong><br />
        (Subject Name, Description)</td>
        <td width="56%"><select name="subjectid" id="subjectid">
        <%
While (NOT rs_subject.EOF)
%>
        <option
value="<%=rs_subject.Fields.Item("subjectid").Value)%>"><%=rs_subject.Fields.Item
("subjectName").Value)%></option>
        <%
        rs_subject.MoveNext()
Wend
If (rs_subject.CursorType > 0) Then
        rs_subject.MoveFirst
Else
        rs_subject.Requery
End If
%>
        </select>
        <input type="submit" name="Submit2" value="Update" />
        <input name="courseid" type="hidden" id="courseid" value="<%=
Request.QueryString("courseid") %>" /></td>
        </tr>
        </table>
        </form>
        <form      name="frm_delete"      id="frm_delete"      method="get"
action="Form_Delete_Subject.asp">
        <table   width="95%"      border="1"   align="center"   cellpadding="3"
cellspacing="0">
        <tr>
        <td width="44%"><strong>Delete Existing Subject Record
        </strong><br />
        (Subject Name, Description & Code)</td>
        <td width="56%"><select name="subjectid" id="subjectid">
        <%
While (NOT rs_subject.EOF)
%>
        <option
value="<%=rs_subject.Fields.Item("subjectid").Value)%>"><%=rs_subject.Fields.Item
("subjectName").Value)%></option>

```

```

        <%
rs_subject.MoveNext()
Wend
If (rs_subject.CursorType > 0) Then
    rs_subject.MoveFirst
Else
    rs_subject.Requery
End If
%>
        </select>
        <input type="submit" name="Submit3" value="Delete" />
        <input name="courseid" type="hidden" id="courseid" value="<%=
Request.QueryString("courseid") %>" /></td></tr>
        </table>
    </form>
    <p>&nbsp;</p>
    <p>&nbsp;</p>
    <p>&nbsp;</p>
    <p>&nbsp;</p></td>
</tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>
<%
rs_subject.Close()
Set rs_subject = Nothing
%>
<%
Courses.Close()
Set Courses = Nothing
%>

```

26. Form_Subsection_Master.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
' *** Restrict Access To Page: Grant or deny access to this page
MM_authorizedUsers="admin,professor"
MM_authFailedURL="login.asp"
MM_grantAccess=false
If Session("MM_Username") <> "" Then
    If (false Or CStr(Session("MM_UserAuthorization"))="") Or _
        (InStr(1,MM_authorizedUsers,Session("MM_UserAuthorization"))>=1)
Then
    MM_grantAccess = true
End If
End If
If Not MM_grantAccess Then
    MM_qsChar = "?"
    If (InStr(1,MM_authFailedURL,"?") >= 1) Then MM_qsChar = "&"
    MM_referrer = Request.ServerVariables("URL")
    if (Len(Request.QueryString()) > 0) Then MM_referrer = MM_referrer & "?" &
Request.QueryString()
    MM_authFailedURL = MM_authFailedURL & MM_qsChar & "accessdenied="
& Server.URLEncode(MM_referrer)
    Response.Redirect(MM_authFailedURL)
End If
%>
<%
Dim rs_topicSubsection__MMColParam
rs_topicSubsection__MMColParam = "4"
If (Request.QueryString("topicid") <> "") Then
    rs_topicSubsection__MMColParam = Request.QueryString("topicid")
End If
%>
<%
Dim rs_topicSubsection
Dim rs_topicSubsection_numRows

Set rs_topicSubsection = Server.CreateObject("ADODB.Recordset")
rs_topicSubsection.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_topicSubsection.Source = "SELECT Subsection.subsectionName,
Subsection.subsectionid FROM Subsection,Topic_Has_Subsections WHERE
Subsection.subsectionid=Topic_Has_Subsections.subsectionid AND
Topic_Has_Subsections.topicid = " + Replace(rs_topicSubsection__MMColParam, "",
"''") + " ORDER BY Subsection.subsectionName ASC"
```

```

rs_topicSubsection.CursorType = 0
rs_topicSubsection.CursorLocation = 2
rs_topicSubsection.LockType = 1
rs_topicSubsection.Open()

rs_topicSubsection_numRows = 0
%>
<%
Dim rs_topic__MMColParam
rs_topic__MMColParam = "1"
If (Request.QueryString("topicid") <> "") Then
    rs_topic__MMColParam = Request.QueryString("topicid")
End If
%>
<%
Dim rs_topic
Dim rs_topic_numRows

Set rs_topic = Server.CreateObject("ADODB.Recordset")
rs_topic.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_topic.Source = "SELECT * FROM Topic WHERE topicid = " +
Replace(rs_topic__MMColParam, "'", "''") + ""
rs_topic.CursorType = 0
rs_topic.CursorLocation = 2
rs_topic.LockType = 1
rs_topic.Open()

rs_topic_numRows = 0
%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Form Subsection Master</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
.style1 {color: #CC3300}
.style2 {color: #339900}
-->
</style>
</head>
<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">

```



```

        <tr>
        <td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
        <tr>
        <td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
        </td>
        </tr>
        </table></td>
        </tr>
        <tr>
        <td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
        <tr>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
        <param name="movie" value="button2.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button2.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
        </object></td>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
        <param name="movie" value="button1.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>
        </object></td>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
        <param name="movie" value="button3.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />

```

```

                <embed
                    src="button3.swf"
                    quality="high"
                    pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
                    bgcolor="#DEDEBC"></embed>
            </object></td>
            <td
                width="14%"
                bgcolor="#DEDEBC"><object
                    classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
                    codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
                        <param name="movie" value="button4.swf" />
                        <param name="quality" value="high" />
                        <param name="bgcolor" value="#DEDEBC" />
                        <embed
                            src="button4.swf"
                            quality="high"
                            pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
                            bgcolor="#DEDEBC"></embed>
                    </object></td>
            <td
                width="14%"
                bgcolor="#DEDEBC"><object
                    classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
                    codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
                        <param name="movie" value="button5.swf" />
                        <param name="quality" value="high" />
                        <param name="bgcolor" value="#DEDEBC" />
                        <embed
                            src="button5.swf"
                            quality="high"
                            pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
                            bgcolor="#DEDEBC"></embed>
                    </object></td>
        </tr>
    </table></td>
</tr>
<tr>
    <td><hr />
    <h3 align="center">
        <span class="style2">Subsection</span>
        Master
        Form
        for
        Topic:<span
class="style1"><%=rs_topic.Fields.Item("topicName").Value)%></span></h3>
    <hr />
    </td>
</tr>
<tr>
    <td>
        <form
            action="Form_Image_Master.asp"
            method="get"
            enctype="multipart/form-data" name="frmSubsection" id="frmSubsection">
            <div align="center">
                <table
                    width="95%"
                    border="1"
                    align="center"
                    cellpadding="3"
                    cellspacing="0">
                    <tr>

```

```

                <td width="45%"><div align="left"><strong>Existing Subsection
Images</strong><br />
                (Insert, Modify, Delete Images ONLY) </div></td>
                <td width="55%"><div align="left">
                    <select name="subsectionid" id="select">
                        <%
While (NOT rs_topicSubsection.EOF)
%>
                            <option
value="<%=rs_topicSubsection.Fields.Item("subsectionid").Value)%>"><%=rs_topicS
ubsection.Fields.Item("subsectionName").Value)%></option>
                            <%
                                rs_topicSubsection.MoveNext()
Wend
If (rs_topicSubsection.CursorType > 0) Then
    rs_topicSubsection.MoveFirst
Else
    rs_topicSubsection.Requery
End If
%>
                        </select>
                        <input type="submit" name="Submit" value="Continue" />
                    </div></td>
                </tr>
            </table>
        </div>
    </form>
    <form name="frm_insert" id="frm_insert" method="get"
action="Form_Input_Subsection.asp">
        <table width="95%" border="1" align="center" cellpadding="3"
cellspacing="0">
            <tr>
                <td width="45%"><strong>Insert</strong> New Subsection </td>
                <td width="55%"><input type="submit" name="Submit2" value="Insert"
/>
                    <input name="topicid" type="hidden" id="topicid" value="<%=
Request.QueryString("topicid") %>" /></td>
            </tr>
        </table>
    </form>
    <form name="frm_update" id="frm_update" method="get"
action="Test_Form_Update_Subsection.asp">
        <table width="95%" border="1" align="center" cellpadding="3"
cellspacing="0">
            <tr>
                <td width="45%"><strong>Update</strong> Existing Subsection </td>

```

```

        <td width="55%"><select name="subsectionid" id="subsectionid">
            <%
While (NOT rs_topicSubsection.EOF)
%>
                <option
value="<%=rs_topicSubsection.Fields.Item("subsectionid").Value)%>"><%=rs_topicS
ubsection.Fields.Item("subsectionName").Value)%></option>
                <%
                rs_topicSubsection.MoveNext()
Wend
If (rs_topicSubsection.CursorType > 0) Then
    rs_topicSubsection.MoveFirst
Else
    rs_topicSubsection.Requery
End If
%>
            </select>
            <input type="submit" name="Submit3" value="Update" />
            <input name="topicid" type="hidden" id="topicid" value="<%=
Request.QueryString("topicid") %>" /></td>
        </tr>
    </table>
</form>
<form name="frm_delete" id="frm_delete" method="get"
action="Form_Delete_Subsection.asp">
    <table width="95%" border="1" align="center" cellpadding="3"
cellspacing="0">
        <tr>
            <td width="45%"><strong>Delete</strong> Existing Subsection </td>
            <td width="55%"><select name="subsectionid" id="subsectionid">
                <%
While (NOT rs_topicSubsection.EOF)
%>
                    <option
value="<%=rs_topicSubsection.Fields.Item("subsectionid").Value)%>"><%=rs_topicS
ubsection.Fields.Item("subsectionName").Value)%></option>
                    <%
                    rs_topicSubsection.MoveNext()
Wend
If (rs_topicSubsection.CursorType > 0) Then
    rs_topicSubsection.MoveFirst
Else
    rs_topicSubsection.Requery
End If
%>
                </select>

```

```

        <input type="submit" name="Submit4" value="delete" />
        <input name="topicid" type="hidden" id="topicid" value="<%=
Request.QueryString("topicid") %>" /></td>
    </tr>
</table>
</form>    <p>&nbsp;</p></td></tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>
<%
rs_topicSubsection.Close()
Set rs_topicSubsection = Nothing
%>
<%
rs_topic.Close()
Set rs_topic = Nothing
%>

```

27. Form_Topic_Master.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
' *** Restrict Access To Page: Grant or deny access to this page
MM_authorizedUsers="admin,professor"
MM_authFailedURL="login.asp"
MM_grantAccess=false
If Session("MM_Username") <> "" Then
    If (false Or CStr(Session("MM_UserAuthorization"))="") Or _
        (InStr(1,MM_authorizedUsers,Session("MM_UserAuthorization"))>=1)
Then
    MM_grantAccess = true
End If
End If
If Not MM_grantAccess Then
    MM_qsChar = "?"
    If (InStr(1,MM_authFailedURL,"?") >= 1) Then MM_qsChar = "&"
    MM_referrer = Request.ServerVariables("URL")
    if (Len(Request.QueryString()) > 0) Then MM_referrer = MM_referrer & "?" &
Request.QueryString()
    MM_authFailedURL = MM_authFailedURL & MM_qsChar & "accessdenied="
& Server.URLEncode(MM_referrer)
    Response.Redirect(MM_authFailedURL)
End If
%>
<%
Dim rs_topic__MMColParam
rs_topic__MMColParam = "1"
If (Request.QueryString("subjectid") <> "") Then
    rs_topic__MMColParam = Request.QueryString("subjectid")
End If
%>
<%
Dim rs_topic
Dim rs_topic_numRows

Set rs_topic = Server.CreateObject("ADODB.Recordset")
rs_topic.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_topic.Source = "SELECT * FROM Topic WHERE subjectid = " +
Replace(rs_topic__MMColParam, "", "") + " ORDER BY topicName ASC"
rs_topic.CursorType = 0
rs_topic.CursorLocation = 2
rs_topic.LockType = 1
```

```

rs_topic.Open()

rs_topic_numRows = 0
%>
<%
Dim rs_subject__MMColParam
rs_subject__MMColParam = "1"
If (Request.QueryString("subjectid") <> "") Then
    rs_subject__MMColParam = Request.QueryString("subjectid")
End If
%>
<%
Dim rs_subject
Dim rs_subject_numRows

Set rs_subject = Server.CreateObject("ADODB.Recordset")
rs_subject.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_subject.Source = "SELECT * FROM Subject WHERE subjectid = " +
Replace(rs_subject__MMColParam, "'", "''") + "'"
rs_subject.CursorType = 0
rs_subject.CursorLocation = 2
rs_subject.LockType = 1
rs_subject.Open()

rs_subject_numRows = 0
%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Form Topic Master</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
a:link {
    color: #CC3300;
}
a:visited {
    color: #CC3399;
}
a:hover {
    color: #000066;
}
a:active {
    color: #339900;

```

```

}
.style1 {color: #CC3300}
.style3 {color: #CC3300; font-weight: bold; }
.style5 {color: #336600}
-->
</style></head>
<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
<tr>
<td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
</td>
</tr>
</table></td>
</tr>
<tr>
<td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
<tr>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
<param name="movie" value="button2.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />
<embed src="button2.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
</object></td>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
<param name="movie" value="button1.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />
<embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>

```



```

        </object></td>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
        <param name="movie" value="button3.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button3.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
        </object></td>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
        <param name="movie" value="button4.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button4.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
        </object></td>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
        <param name="movie" value="button5.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button5.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
        </object></td>
    </tr>
</table></td>
</tr>
<tr>
    <td><hr />
    <h3 align="center">
    <span class="style5">Topic</span> Master
Form
    for
    Subject:
    <span
class="style1"><%=rs_subject.Fields.Item("subjectName").Value)%></span></h3>
    <hr />

```

```

        <form      name="frm_continue"      id="frm_continue"      method="get"
action="Form_Subsection_Master.asp">
        <table   width="95%"      border="1"      align="center"      cellpadding="3"
cellspacing="0">
        <tr>
        <td width="45%"><strong>Existing Topic Content
        </strong><br />(Insert, Modify, Delete content ONLY)</td>
        <td width="55%"><select name="topicid" id="topicid">
        <%
While (NOT rs_topic.EOF)
%>
        <option
value="<%=rs_topic.Fields.Item("topicid").Value)%>"><%=rs_topic.Fields.Item("topi
cName").Value)%></option>
        <%
        rs_topic.MoveNext()
Wend
If (rs_topic.CursorType > 0) Then
        rs_topic.MoveFirst
Else
        rs_topic.Requery
End If
%>
        </select>
        <input type="submit" name="Submit" value="Continue" /></td>
        </tr>
        </table>
</form>
        <form      name="Frm_add"      id="Frm_add"      method="get"
action="Form_Add_Topic.asp">
        <table   width="95%"      border="1"      align="center"      cellpadding="3"
cellspacing="0">
        <tr>
        <td width="45%"><strong>Insert New Topic Record
        </strong><br />(Topic      Name,      Description)<span
class="style3"><%=rs_subject.Fields.Item("subjectName").Value)%></span></td>
        <td width="55%"><input type="submit" name="Submit2" value="Insert"
/>
        <input name="subjectid" type="hidden" id="subjectid" value="<%=
Request.QueryString("subjectid") %>" /></td>
        </tr>
        </table>
</form>
        <form      name="frm_update"      id="frm_update"      method="get"
action="Form_Update_Topic.asp">

```

```

        <table width="95%" border="1" align="center" cellpadding="3"
cellspacing="0">
        <tr>
        <td width="45%"><strong>Update Existing Topic Record
        </strong><br />(Topic Name, Description) </td>
        <td width="55%"><select name="topicid" id="topicid">
        <%
While (NOT rs_topic.EOF)
%>
        <option
value="<%=rs_topic.Fields.Item("topicid").Value)%>"><%=rs_topic.Fields.Item("topi
cName").Value)%></option>
        <%
        rs_topic.MoveNext()
Wend
If (rs_topic.CursorType > 0) Then
        rs_topic.MoveFirst
Else
        rs_topic.Requery
End If
%>
        </select>
        <input type="submit" name="Submit3" value="Update" />
        <input name="subjectid" type="hidden" id="subjectid" value="<%=
Request.QueryString("subjectid") %>" /></td>
        </tr>
        </table>
    </form>
    <form name="frm_delete" id="frm_delete" method="get"
action="Form_Delete_Topic.asp">
        <table width="95%" border="1" align="center" cellpadding="3"
cellspacing="0">
        <tr>
        <td width="45%"><strong>Delete Existing Topic Record
        </strong><br /> (Topic Name, Description) </td>
        <td width="55%"><select name="topicid" id="topicid">
        <%
While (NOT rs_topic.EOF)
%>
        <option
value="<%=rs_topic.Fields.Item("topicid").Value)%>"><%=rs_topic.Fields.Item("topi
cName").Value)%></option>
        <%
        rs_topic.MoveNext()
Wend
If (rs_topic.CursorType > 0) Then

```

```

        rs_topic.MoveFirst
    Else
        rs_topic.Requery
    End If
%>
        </select>
        <input type="submit" name="Submit4" value="Delete" />
        <input name="subjectid" type="hidden" id="subjectid" value="<%=
Request.QueryString("subjectid") %>" /></td>
    </tr>
</table>
</form>
<p>&nbsp;</p>    <p>&nbsp;</p>
<p>&nbsp;</p>    <p align="left">&nbsp;</p></td>
</tr>
<tr>
    <td>&nbsp;</td>
</tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>
<%
rs_topic.Close()
Set rs_topic = Nothing
%>
<%
rs_subject.Close()
Set rs_subject = Nothing
%>

```

28. Form_Update_Category.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
' *** Restrict Access To Page: Grant or deny access to this page
MM_authorizedUsers="admin"
MM_authFailedURL="login.asp"
MM_grantAccess=false
If Session("MM_Username") <> "" Then
    If (false Or CStr(Session("MM_UserAuthorization"))="") Or _
        (InStr(1,MM_authorizedUsers,Session("MM_UserAuthorization"))>=1)
Then
        MM_grantAccess = true
    End If
End If
If Not MM_grantAccess Then
    MM_qsChar = "?"
    If (InStr(1,MM_authFailedURL,"?") >= 1) Then MM_qsChar = "&"
    MM_referrer = Request.ServerVariables("URL")
    if (Len(Request.QueryString()) > 0) Then MM_referrer = MM_referrer & "?" &
Request.QueryString()
    MM_authFailedURL = MM_authFailedURL & MM_qsChar & "accessdenied="
& Server.URLEncode(MM_referrer)
    Response.Redirect(MM_authFailedURL)
End If
%>
<%
' *** Edit Operations: declare variables

Dim MM_editAction
Dim MM_abortEdit
Dim MM_editQuery
Dim MM_editCmd

Dim MM_editConnection
Dim MM_editTable
Dim MM_editRedirectUrl
Dim MM_editColumn
Dim MM_recordId

Dim MM_fieldsStr
Dim MM_columnsStr
```

```

Dim MM_fields
Dim MM_columns
Dim MM_typeArray
Dim MM_formVal
Dim MM_delim
Dim MM_altVal
Dim MM_emptyVal
Dim MM_i

MM_editAction = CStr(Request.ServerVariables("SCRIPT_NAME"))
If (Request.QueryString <> "") Then
    MM_editAction = MM_editAction & "?" &
Server.HTMLEncode(Request.QueryString)
End If

' boolean to abort record edit
MM_abortEdit = false

' query string to execute
MM_editQuery = ""
%>
<%
' *** Update Record: set variables

If (CStr(Request("MM_update")) = "form1" And CStr(Request("MM_recordId"))
<> "") Then

    MM_editConnection = MM_conn_DistanceLearning_STRING
    MM_editTable = "Category"
    MM_editColumn = "categoryid"
    MM_recordId = "" + Request.Form("MM_recordId") + ""
    MM_editRedirectUrl = "Form_Master_Category.asp"
    MM_fieldsStr = "categoryName|value|categoryDescription|value"
    MM_columnsStr = "categoryName|,none,|categoryDescription|,none,|"

    ' create the MM_fields and MM_columns arrays
    MM_fields = Split(MM_fieldsStr, "|")
    MM_columns = Split(MM_columnsStr, "|")

    ' set the form values
    For MM_i = LBound(MM_fields) To UBound(MM_fields) Step 2
        MM_fields(MM_i+1) = CStr(Request.Form(MM_fields(MM_i)))
    Next

    ' append the query string to the redirect URL
    If (MM_editRedirectUrl <> "" And Request.QueryString <> "") Then

```

```

        If (InStr(1, MM_editRedirectUrl, "?", vbTextCompare) = 0 And
Request.QueryString <> "") Then
            MM_editRedirectUrl = MM_editRedirectUrl & "?" & Request.QueryString
        Else
            MM_editRedirectUrl = MM_editRedirectUrl & "&" & Request.QueryString
        End If
    End If

End If
%>
<%
' *** Update Record: construct a sql update statement and execute it

If (CStr(Request("MM_update")) <> "" And CStr(Request("MM_recordId")) <>
"") Then

    ' create the sql update statement
    MM_editQuery = "update " & MM_editTable & " set "
    For MM_i = LBound(MM_fields) To UBound(MM_fields) Step 2
        MM_formVal = MM_fields(MM_i+1)
        MM_typeArray = Split(MM_columns(MM_i+1),",")
        MM_delim = MM_typeArray(0)
        If (MM_delim = "none") Then MM_delim = ""
        MM_altVal = MM_typeArray(1)
        If (MM_altVal = "none") Then MM_altVal = ""
        MM_emptyVal = MM_typeArray(2)
        If (MM_emptyVal = "none") Then MM_emptyVal = ""
        If (MM_formVal = "") Then
            MM_formVal = MM_emptyVal
        Else
            If (MM_altVal <> "") Then
                MM_formVal = MM_altVal
            ElseIf (MM_delim = "") Then ' escape quotes
                MM_formVal = "" & Replace(MM_formVal,"","") & ""
            Else
                MM_formVal = MM_delim + MM_formVal + MM_delim
            End If
        End If
        If (MM_i <> LBound(MM_fields)) Then
            MM_editQuery = MM_editQuery & ","
        End If
        MM_editQuery = MM_editQuery & MM_columns(MM_i) & " = " &
MM_formVal
    Next
    MM_editQuery = MM_editQuery & " where " & MM_editColumn & " = " &
MM_recordId

```

```

If (Not MM_abortEdit) Then
    ' execute the update
    Set MM_editCmd = Server.CreateObject("ADODB.Command")
    MM_editCmd.ActiveConnection = MM_editConnection
    MM_editCmd.CommandText = MM_editQuery
    MM_editCmd.Execute
    MM_editCmd.ActiveConnection.Close

    If (MM_editRedirectUrl <> "") Then
        Response.Redirect(MM_editRedirectUrl)
    End If
End If

End If
%>
<%
Dim rs_category__MMColParam
rs_category__MMColParam = "1"
If (Request.QueryString("categoryid") <> "") Then
    rs_category__MMColParam = Request.QueryString("categoryid")
End If
%>
<%
Dim rs_category
Dim rs_category_numRows

Set rs_category = Server.CreateObject("ADODB.Recordset")
rs_category.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_category.Source = "SELECT * FROM Category WHERE categoryid = " +
Replace(rs_category__MMColParam, "'", "''") + "
rs_category.CursorType = 0
rs_category.CursorLocation = 2
rs_category.LockType = 1
rs_category.Open()

rs_category_numRows = 0
%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Update Category Form</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">

```



```

<!--
a:link {
    color: #CC3300;
}
a:visited {
    color: #CC3399;
}
a:hover {
    color: #000066;
}
a:active {
    color: #339900;
}
.style1 {color: #CC0000}
-->
</style>
<script language="JavaScript" type="text/JavaScript">
<!--
function MM_findObj(n, d) { //v4.01
    var p,i,x;  if(!d) d=document; if((p=n.indexOf("?"))>0&&parent.frames.length)
{
    d=parent.frames[n.substring(p+1)].document; n=n.substring(0,p);}
    if(!(x=d[n])&&d.all)    x=d.all[n];    for    (i=0;!x&&i<d.forms.length;i++)
x=d.forms[i][n];
    for(i=0;!x&&d.layers&&i<d.layers.length;i++)
x=MM_findObj(n,d.layers[i].document);
    if(!x && d.getElementById) x=d.getElementById(n); return x;
}

function MM_validateForm() { //v4.0
    var i,p,q,nm,test,num,min,max,errors="",args=MM_validateForm.arguments;
    for (i=0; i<(args.length-2); i+=3) { test=args[i+2]; val=MM_findObj(args[i]);
    if (val) { nm=val.name; if ((val=val.value)!="") {
        if (test.indexOf('isEmail')!=-1) { p=val.indexOf('@');
            if (p<1 || p==(val.length-1)) errors+="- "+nm+" must contain an e-mail
address.\n";
        } else if (test!='R') { num = parseFloat(val);
            if (isNaN(val)) errors+="- "+nm+" must contain a number.\n";
            if (test.indexOf('inRange') != -1) { p=test.indexOf(':');
                min=test.substring(8,p); max=test.substring(p+1);
                if (num<min || max<num) errors+="- "+nm+" must contain a number
between '+min+' and '+max+'.\n";
            } } } else if (test.charAt(0) == 'R') errors += "- "+nm+" is required.\n"; }
    } if (errors) alert("The following error(s) occurred:\n"+errors);
    document.MM_returnValue = (errors == "");
}

```

```

//-->
</script>
</head>
<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
<tr>
<td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
</td>
</tr>
</table></td>
</tr>
<tr>
<td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
<tr>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
<param name="movie" value="button2.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />
<embed src="button2.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
</object></td>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
<param name="movie" value="button1.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />
<embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>
</object></td>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"

```

```

codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
    <param name="movie" value="button3.swf" />
    <param name="quality" value="high" />
    <param name="bgcolor" value="#DEDEBC" />
    <embed
        src="button3.swf"
        quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
    </object></td>
    <td
        width="14%"
        bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
    <param name="movie" value="button4.swf" />
    <param name="quality" value="high" />
    <param name="bgcolor" value="#DEDEBC" />
    <embed
        src="button4.swf"
        quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
    </object></td>
    <td
        width="14%"
        bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
    <param name="movie" value="button5.swf" />
    <param name="quality" value="high" />
    <param name="bgcolor" value="#DEDEBC" />
    <embed
        src="button5.swf"
        quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
    </object></td>
</tr>
</table></td>
</tr>
<tr>
    <td><hr />
    <h3 align="center"> Update Category Record: <span
class="style1"><%=rs_category.Fields.Item("categoryName").Value)%></span></h3>
    <hr />
    <form
        name="form1"
        id="form1"
        method="POST"
action="<%=MM_editAction%>">
    <table
        width="95%"
        border="1"
        align="center"
        cellpadding="3"
        cellspacing="0">
    <tr>

```

```

        <td>Category Name </td>
        <td><input name="categoryName" type="text" id="categoryName"
value="<%=rs_category.Fields.Item("categoryName").Value)%>" size="60" /></td>
    </tr>
    <tr>
        <td>Category Description </td>
        <td><textarea name="categoryDescription" cols="60" rows="5"
id="categoryDescription"><%=rs_category.Fields.Item("categoryDescription").Value)%
></textarea></td>
    </tr>
    <tr>
        <td>&nbsp;</td>
        <td><input name="Submit" type="submit"
onclick="MM_validateForm('categoryName','R','categoryDescription','R');return
document.MM_returnValue" value="Submit" /></td>
    </tr>
</table>

    <input type="hidden" name="MM_update" value="form1">
    <input type="hidden" name="MM_recordId" value="<%=
rs_category.Fields.Item("categoryid").Value %>">
</form> <p align="left">&nbsp;</p></td>
</tr>
<tr>
    <td>&nbsp;</td>
</tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>
<%
rs_category.Close()
Set rs_category = Nothing
%>

```

29. Form_Update_Course.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
' *** Restrict Access To Page: Grant or deny access to this page
MM_authorizedUsers="admin,professor"
MM_authFailedURL="login.asp"
MM_grantAccess=false
If Session("MM_Username") <> "" Then
    If (false Or CStr(Session("MM_UserAuthorization"))="") Or _
        (InStr(1,MM_authorizedUsers,Session("MM_UserAuthorization"))>=1)
Then
    MM_grantAccess = true
    End If
End If
If Not MM_grantAccess Then
    MM_qsChar = "?"
    If (InStr(1,MM_authFailedURL,"?") >= 1) Then MM_qsChar = "&"
    MM_referrer = Request.ServerVariables("URL")
    if (Len(Request.QueryString()) > 0) Then MM_referrer = MM_referrer & "?" &
Request.QueryString()
    MM_authFailedURL = MM_authFailedURL & MM_qsChar & "accessdenied="
& Server.URLEncode(MM_referrer)
    Response.Redirect(MM_authFailedURL)
End If
%>
<%
' *** Edit Operations: declare variables

Dim MM_editAction
Dim MM_abortEdit
Dim MM_editQuery
Dim MM_editCmd

Dim MM_editConnection
Dim MM_editTable
Dim MM_editRedirectUrl
Dim MM_editColumn
Dim MM_recordId

Dim MM_fieldsStr
Dim MM_columnsStr
Dim MM_fields
Dim MM_columns
```

```

Dim MM_typeArray
Dim MM_formVal
Dim MM_delim
Dim MM_altVal
Dim MM_emptyVal
Dim MM_i

MM_editAction = CStr(Request.ServerVariables("SCRIPT_NAME"))
If (Request.QueryString <> "") Then
    MM_editAction = MM_editAction & "?" &
Server.HTMLEncode(Request.QueryString)
End If

' boolean to abort record edit
MM_abortEdit = false

' query string to execute
MM_editQuery = ""
%>
<%
' *** Update Record: set variables

If (CStr(Request("MM_update")) = "frm_Course" And
CStr(Request("MM_recordId")) <> "") Then

    MM_editConnection = MM_conn_DistanceLearning_STRING
    MM_editTable = "Course"
    MM_editColumn = "courseid"
    MM_recordId = "" + Request.Form("MM_recordId") + ""
    MM_editRedirectUrl = "Form_Course_Master.asp"
    MM_fieldsStr = "courseCode|value|courseName|value|courseDescription|value"
    MM_columnsStr =
"courseCode|,none,"|courseName|,none,"|courseDescription|,none,"

' create the MM_fields and MM_columns arrays
MM_fields = Split(MM_fieldsStr, "|")
MM_columns = Split(MM_columnsStr, "|")

' set the form values
For MM_i = LBound(MM_fields) To UBound(MM_fields) Step 2
    MM_fields(MM_i+1) = CStr(Request.Form(MM_fields(MM_i)))
Next

' append the query string to the redirect URL
If (MM_editRedirectUrl <> "" And Request.QueryString <> "") Then

```

```

        If (InStr(1, MM_editRedirectUrl, "?", vbTextCompare) = 0 And
Request.QueryString <> "") Then
            MM_editRedirectUrl = MM_editRedirectUrl & "?" & Request.QueryString
        Else
            MM_editRedirectUrl = MM_editRedirectUrl & "&" & Request.QueryString
        End If
    End If

End If
%>
<%
' *** Update Record: construct a sql update statement and execute it

    If (CStr(Request("MM_update")) <> "" And CStr(Request("MM_recordId")) <>
"") Then

        ' create the sql update statement
        MM_editQuery = "update " & MM_editTable & " set "
        For MM_i = LBound(MM_fields) To UBound(MM_fields) Step 2
            MM_formVal = MM_fields(MM_i+1)
            MM_typeArray = Split(MM_columns(MM_i+1),",")
            MM_delim = MM_typeArray(0)
            If (MM_delim = "none") Then MM_delim = ""
            MM_altVal = MM_typeArray(1)
            If (MM_altVal = "none") Then MM_altVal = ""
            MM_emptyVal = MM_typeArray(2)
            If (MM_emptyVal = "none") Then MM_emptyVal = ""
            If (MM_formVal = "") Then
                MM_formVal = MM_emptyVal
            Else
                If (MM_altVal <> "") Then
                    MM_formVal = MM_altVal
                ElseIf (MM_delim = "") Then ' escape quotes
                    MM_formVal = "" & Replace(MM_formVal,"","") & ""
                Else
                    MM_formVal = MM_delim + MM_formVal + MM_delim
                End If
            End If
            If (MM_i <> LBound(MM_fields)) Then
                MM_editQuery = MM_editQuery & ","
            End If
            MM_editQuery = MM_editQuery & MM_columns(MM_i) & " = " &
MM_formVal
        Next
        MM_editQuery = MM_editQuery & " where " & MM_editColumn & " = " &
MM_recordId

```

```

If (Not MM_abortEdit) Then
    ' execute the update
    Set MM_editCmd = Server.CreateObject("ADODB.Command")
    MM_editCmd.ActiveConnection = MM_editConnection
    MM_editCmd.CommandText = MM_editQuery
    MM_editCmd.Execute
    MM_editCmd.ActiveConnection.Close

    If (MM_editRedirectUrl <> "") Then
        Response.Redirect(MM_editRedirectUrl)
    End If
End If

End If
%>
<%
Dim rs_course__MMColParam
rs_course__MMColParam = "1"
If (Request.QueryString("courseid") <> "") Then
    rs_course__MMColParam = Request.QueryString("courseid")
End If
%>
<%
Dim rs_course
Dim rs_course_numRows

Set rs_course = Server.CreateObject("ADODB.Recordset")
rs_course.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_course.Source = "SELECT * FROM Course WHERE courseid = " +
Replace(rs_course__MMColParam, "'", "''") + "'"
rs_course.CursorType = 0
rs_course.CursorLocation = 2
rs_course.LockType = 1
rs_course.Open()

rs_course_numRows = 0
%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Update Course Record</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">

```



```

<!--
a:link {
    color: #CC3300;
}
a:visited {
    color: #CC3399;
}
a:hover {
    color: #000066;
}
a:active {
    color: #339900;
}
-->
</style>
<script language="JavaScript" type="text/JavaScript">
<!--
function MM_findObj(n, d) { //v4.01
    var p,i,x;  if(!d) d=document; if((p=n.indexOf("?"))>0&&parent.frames.length)
{
    d=parent.frames[n.substring(p+1)].document; n=n.substring(0,p);}
    if(!(x=d[n])&&d.all)    x=d.all[n];    for    (i=0;!x&&i<d.forms.length;i++)
x=d.forms[i][n];
    for(i=0;!x&&d.layers&&i<d.layers.length;i++)
x=MM_findObj(n,d.layers[i].document);
    if(!x && d.getElementById) x=d.getElementById(n); return x;
}

function MM_validateForm() { //v4.0
    var i,p,q,nm,test,num,min,max,errors="",args=MM_validateForm.arguments;
    for (i=0; i<(args.length-2); i+=3) { test=args[i+2]; val=MM_findObj(args[i]);
    if (val) { nm=val.name; if ((val=val.value)!="") {
        if (test.indexOf('isEmail')!=-1) { p=val.indexOf('@');
            if (p<1 || p==(val.length-1)) errors+="- "+nm+" must contain an e-mail
address.\n";
        } else if (test!='R') { num = parseFloat(val);
            if (isNaN(val)) errors+="- "+nm+" must contain a number.\n";
            if (test.indexOf('inRange') != -1) { p=test.indexOf(':');
                min=test.substring(8,p); max=test.substring(p+1);
                if (num<min || max<num) errors+="- "+nm+" must contain a number
between '+min+' and '+max+'.\n";
            } } } else if (test.charAt(0) == 'R') errors += "- "+nm+" is required.\n"; }
    } if (errors) alert("The following error(s) occurred:\n"+errors);
    document.MM_returnValue = (errors == "");
}
//-->

```

```

</script>
</head>
<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
<tr>
<td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
</td>
</tr>
</table></td>
</tr>
<tr>
<td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
<tr>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
<param name="movie" value="button2.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />
<embed src="button2.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
</object></td>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
<param name="movie" value="button1.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />
<embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>
</object></td>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"

```

```

codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
    <param name="movie" value="button3.swf" />
    <param name="quality" value="high" />
    <param name="bgcolor" value="#DEDEBC" />
    <embed
        src="button3.swf"
        quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
    </object></td>
    <td
        width="14%"
        bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
    <param name="movie" value="button4.swf" />
    <param name="quality" value="high" />
    <param name="bgcolor" value="#DEDEBC" />
    <embed
        src="button4.swf"
        quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
    </object></td>
    <td
        width="14%"
        bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
    <param name="movie" value="button5.swf" />
    <param name="quality" value="high" />
    <param name="bgcolor" value="#DEDEBC" />
    <embed
        src="button5.swf"
        quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
    </object></td>
</tr>
</table></td>
</tr>
<tr>
    <td><hr /> <h3 align="center"> Update Course Record </h3>
    <hr /> <form ACTION="<%=MM_editAction%>" METHOD="POST"
name="frm_Course" id="frm_Course">
    <table width="95%" border="1" align="center" cellpadding="3"
cellspacing="0">
    <tr>
    <td>Course Code </td>

```

```

        <td><input    name="courseCode"    type="text"    id="courseCode"
value="<%=rs_course.Fields.Item("courseCode").Value)%>" /></td>
    </tr>
    <tr>
        <td>Course Name </td>
        <td><input    name="courseName"    type="text"    id="courseName"
value="<%=rs_course.Fields.Item("courseName").Value)%>" /></td>
    </tr>
    <tr>
        <td>Course Description </td>
        <td><textarea        name="courseDescription"        cols="50"
id="courseDescription"><%=rs_course.Fields.Item("courseDescription").Value)%></te
xtarea></td>
    </tr>
    <tr>
        <td>&nbsp;</td>
        <td><input                name="Submit"                type="submit"
onclick="MM_validateForm('courseCode','R','courseName','R','courseDescription','R
');return document.MM_returnValue" value="Update" /></td>
    </tr>
</table>
    <input type="hidden" name="MM_update" value="frm_Course">
    <input type="hidden" name="MM_recordId" value="<%=
rs_course.Fields.Item("courseid").Value %>">
</form>    <p align="left">&nbsp;</p></td>
</tr>
<tr>
    <td>&nbsp;</td>
</tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>
<%
rs_course.Close()
Set rs_course = Nothing
%>

```

30. Form_Update_Image.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
' *** Restrict Access To Page: Grant or deny access to this page
MM_authorizedUsers="admin,professor"
MM_authFailedURL="login.asp"
MM_grantAccess=false
If Session("MM_Username") <> "" Then
    If (false Or CStr(Session("MM_UserAuthorization"))="") Or _
        (InStr(1,MM_authorizedUsers,Session("MM_UserAuthorization"))>=1)
Then
    MM_grantAccess = true
    End If
End If
If Not MM_grantAccess Then
    MM_qsChar = "?"
    If (InStr(1,MM_authFailedURL,"?") >= 1) Then MM_qsChar = "&"
    MM_referrer = Request.ServerVariables("URL")
    if (Len(Request.QueryString()) > 0) Then MM_referrer = MM_referrer & "?" &
Request.QueryString()
    MM_authFailedURL = MM_authFailedURL & MM_qsChar & "accessdenied="
& Server.URLEncode(MM_referrer)
    Response.Redirect(MM_authFailedURL)
End If
%>
<%
' *** Edit Operations: declare variables

Dim MM_editAction
Dim MM_abortEdit
Dim MM_editQuery
Dim MM_editCmd

Dim MM_editConnection
Dim MM_editTable
Dim MM_editRedirectUrl
Dim MM_editColumn
Dim MM_recordId

Dim MM_fieldsStr
Dim MM_columnsStr
Dim MM_fields
Dim MM_columns
```

```

Dim MM_typeArray
Dim MM_formVal
Dim MM_delim
Dim MM_altVal
Dim MM_emptyVal
Dim MM_i

MM_editAction = CStr(Request.ServerVariables("SCRIPT_NAME"))
If (Request.QueryString <> "") Then
    MM_editAction = MM_editAction & "?" &
Server.HTMLEncode(Request.QueryString)
End If

' boolean to abort record edit
MM_abortEdit = false

' query string to execute
MM_editQuery = ""
%>
<%
' *** Update Record: set variables

If (CStr(Request("MM_update")) = "form1" And CStr(Request("MM_recordId")))
<> "" ) Then

    MM_editConnection = MM_conn_DistanceLearning_STRING
    MM_editTable = "Graphic"
    MM_editColumn = "graphicid"
    MM_recordId = "" + Request.Form("MM_recordId") + ""
    MM_editRedirectUrl = "Form_Image_Master.asp"
    MM_fieldsStr =
"graphicName|value|graphicDescription|value|graphicPath|value|author|value"
    MM_columnsStr =
"graphicName|',none,'|graphicDescription|',none,'|graphicPath|',none,'|author|',none,'"

    ' create the MM_fields and MM_columns arrays
    MM_fields = Split(MM_fieldsStr, "|")
    MM_columns = Split(MM_columnsStr, "|")

    ' set the form values
    For MM_i = LBound(MM_fields) To UBound(MM_fields) Step 2
        MM_fields(MM_i+1) = CStr(Request.Form(MM_fields(MM_i)))
    Next

    ' append the query string to the redirect URL
    If (MM_editRedirectUrl <> "" And Request.QueryString <> "") Then

```

```

        If (InStr(1, MM_editRedirectUrl, "?", vbTextCompare) = 0 And
Request.QueryString <> "") Then
            MM_editRedirectUrl = MM_editRedirectUrl & "?" & Request.QueryString
        Else
            MM_editRedirectUrl = MM_editRedirectUrl & "&" & Request.QueryString
        End If
    End If

End If
%>
<%
' *** Update Record: construct a sql update statement and execute it

    If (CStr(Request("MM_update")) <> "" And CStr(Request("MM_recordId")) <>
"") Then

        ' create the sql update statement
        MM_editQuery = "update " & MM_editTable & " set "
        For MM_i = LBound(MM_fields) To UBound(MM_fields) Step 2
            MM_formVal = MM_fields(MM_i+1)
            MM_typeArray = Split(MM_columns(MM_i+1),",")
            MM_delim = MM_typeArray(0)
            If (MM_delim = "none") Then MM_delim = ""
            MM_altVal = MM_typeArray(1)
            If (MM_altVal = "none") Then MM_altVal = ""
            MM_emptyVal = MM_typeArray(2)
            If (MM_emptyVal = "none") Then MM_emptyVal = ""
            If (MM_formVal = "") Then
                MM_formVal = MM_emptyVal
            Else
                If (MM_altVal <> "") Then
                    MM_formVal = MM_altVal
                ElseIf (MM_delim = "") Then ' escape quotes
                    MM_formVal = "" & Replace(MM_formVal,"","") & ""
                Else
                    MM_formVal = MM_delim + MM_formVal + MM_delim
                End If
            End If
            If (MM_i <> LBound(MM_fields)) Then
                MM_editQuery = MM_editQuery & ","
            End If
            MM_editQuery = MM_editQuery & MM_columns(MM_i) & " = " &
MM_formVal
        Next
        MM_editQuery = MM_editQuery & " where " & MM_editColumn & " = " &
MM_recordId

```

```

If (Not MM_abortEdit) Then
    ' execute the update
    Set MM_editCmd = Server.CreateObject("ADODB.Command")
    MM_editCmd.ActiveConnection = MM_editConnection
    MM_editCmd.CommandText = MM_editQuery
    MM_editCmd.Execute
    MM_editCmd.ActiveConnection.Close

    If (MM_editRedirectUrl <> "") Then
        Response.Redirect(MM_editRedirectUrl)
    End If
End If

End If
%>
<%
Dim rs_graphic__MMColParam
rs_graphic__MMColParam = "1"
If (Request.QueryString("graphicid") <> "") Then
    rs_graphic__MMColParam = Request.QueryString("graphicid")
End If
%>
<%
Dim rs_graphic
Dim rs_graphic_numRows

Set rs_graphic = Server.CreateObject("ADODB.Recordset")
rs_graphic.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_graphic.Source = "SELECT * FROM Graphic WHERE graphicid = " +
Replace(rs_graphic__MMColParam, "'", "''") + ""
rs_graphic.CursorType = 0
rs_graphic.CursorLocation = 2
rs_graphic.LockType = 1
rs_graphic.Open()

rs_graphic_numRows = 0
%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Form Update Image</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">

```



```

<!--
a:link {
    color: #CC3300;
}
a:visited {
    color: #CC3399;
}
a:hover {
    color: #000066;
}
a:active {
    color: #339900;
}
-->
</style>
<script language="JavaScript" type="text/JavaScript">
<!--
function MM_findObj(n, d) { //v4.01
    var p,i,x;  if(!d) d=document; if((p=n.indexOf("?"))>0&&parent.frames.length)
{
    d=parent.frames[n.substring(p+1)].document; n=n.substring(0,p);}
    if(!(x=d[n])&&d.all)    x=d.all[n];    for    (i=0;!x&&i<d.forms.length;i++)
x=d.forms[i][n];
    for(i=0;!x&&d.layers&&i<d.layers.length;i++)
x=MM_findObj(n,d.layers[i].document);
    if(!x && d.getElementById) x=d.getElementById(n); return x;
}

function MM_validateForm() { //v4.0
    var i,p,q,nm,test,num,min,max,errors="",args=MM_validateForm.arguments;
    for (i=0; i<(args.length-2); i+=3) { test=args[i+2]; val=MM_findObj(args[i]);
        if (val) { nm=val.name; if ((val=val.value)!="") {
            if (test.indexOf('isEmail')!=-1) { p=val.indexOf('@');
                if (p<1 || p==(val.length-1)) errors+="- "+nm+" must contain an e-mail
address.\n";
            } else if (test!='R') { num = parseFloat(val);
                if (isNaN(val)) errors+="- "+nm+" must contain a number.\n";
                if (test.indexOf('inRange') != -1) { p=test.indexOf(':');
                    min=test.substring(8,p); max=test.substring(p+1);
                    if (num<min || max<num) errors+="- "+nm+" must contain a number
between '+min+' and '+max+'.\n";
                } } } else if (test.charAt(0) == 'R') errors += "- "+nm+" is required.\n"; }
        } if (errors) alert("The following error(s) occurred:\n"+errors);
        document.MM_returnValue = (errors == "");
    }
}
//-->

```

```

</script>
</head>
<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
<tr>
<td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
</td>
</tr>
</table></td>
</tr>
<tr>
<td height="50"><table width="72%" border="0" align="center"
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<tr>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
<param name="movie" value="button2.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />
<embed src="button2.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
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<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
<param name="movie" value="button1.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />
<embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>
</object></td>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"

```

```

codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
    <param name="movie" value="button3.swf" />
    <param name="quality" value="high" />
    <param name="bgcolor" value="#DEDEBC" />
    <embed
        src="button3.swf"
        quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
    </object></td>
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        width="14%"
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classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
    <param name="movie" value="button4.swf" />
    <param name="quality" value="high" />
    <param name="bgcolor" value="#DEDEBC" />
    <embed
        src="button4.swf"
        quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
    </object></td>
    <td
        width="14%"
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classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
    <param name="movie" value="button5.swf" />
    <param name="quality" value="high" />
    <param name="bgcolor" value="#DEDEBC" />
    <embed
        src="button5.swf"
        quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
    </object></td>
</tr>
</table></td>
</tr>
<tr>
    <td><hr /> <h3 align="center"> Update Image Record </h3>
    <hr />
    <form
        name="form1"
        id="form1"
        method="POST"
action="<%=MM_editAction%>">
    <table
        width="95%"
        border="1"
        align="center"
        cellpadding="3"
cellspacing="0">
    <tr>
        <td>Image Name </td>

```

```

        <td><input    name="graphicName"    type="text"    id="graphicName"
value="<%=rs_graphic.Fields.Item("graphicName").Value)%>" size="60" /></td>
    </tr>
    <tr>
        <td>Image Description </td>
        <td><textarea    name="graphicDescription"    cols="60"    rows="5"
id="graphicDescription"><%=rs_graphic.Fields.Item("graphicDescription").Value)%><
/textarea></td>
    </tr>
    <tr>
        <td>Image Relative Path </td>
        <td><input    name="graphicPath"    type="text"    id="graphicPath"
value="<%=rs_graphic.Fields.Item("graphicPath").Value)%>" size="60" /></td>
    </tr>
    <tr>
        <td><input    name="author"    type="hidden"    id="author"    value="<%=
Session("MM_Username") %>" />
        <input    name="subsectionid"    type="hidden"    id="subsectionid"
value="<%= Request.QueryString("subsectionid") %>" /></td>
        <td><input
name="Submit"
type="submit"
onclick="MM_validateForm('graphicName','R','graphicPath','R','graphicDescription','
'R');return document.MM_returnValue" value="Submit" /></td>
    </tr>
</table>

    <input type="hidden" name="MM_update" value="form1">
    <input    type="hidden"    name="MM_recordId"    value="<%=
rs_graphic.Fields.Item("graphicid").Value %>">
    </form>    <p align="left">&nbsp;</p></td>
</tr>
<tr>
    <td>&nbsp;</td>
</tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>
<%
rs_graphic.Close()
Set rs_graphic = Nothing
%>

```

31. Form_Update_Subject.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
' *** Edit Operations: declare variables

Dim MM_editAction
Dim MM_abortEdit
Dim MM_editQuery
Dim MM_editCmd

Dim MM_editConnection
Dim MM_editTable
Dim MM_editRedirectUrl
Dim MM_editColumn
Dim MM_recordId

Dim MM_fieldsStr
Dim MM_columnsStr
Dim MM_fields
Dim MM_columns
Dim MM_typeArray
Dim MM_formVal
Dim MM_delim
Dim MM_altVal
Dim MM_emptyVal
Dim MM_i

MM_editAction = CStr(Request.ServerVariables("SCRIPT_NAME"))
If (Request.QueryString <> "") Then
    MM_editAction = MM_editAction & "?" &
Server.HTMLEncode(Request.QueryString)
End If

' boolean to abort record edit
MM_abortEdit = false

' query string to execute
MM_editQuery = ""
%>
<%
' *** Update Record: set variables
```

```

        If (CStr(Request("MM_update")) = "frm_Subject" And
CStr(Request("MM_recordId")) <> "") Then

            MM_editConnection = MM_conn_DistanceLearning_STRING
            MM_editTable = "Subject"
            MM_editColumn = "subjectid"
            MM_recordId = "" + Request.Form("MM_recordId") + ""
            MM_editRedirectUrl = "Form_Subject_Master.asp"
            MM_fieldsStr = "subjectName|value|subjectDescription|value"
            MM_columnsStr = "subjectName|,none,|subjectDescription|,none,|"

            ' create the MM_fields and MM_columns arrays
            MM_fields = Split(MM_fieldsStr, "|")
            MM_columns = Split(MM_columnsStr, "|")

            ' set the form values
            For MM_i = LBound(MM_fields) To UBound(MM_fields) Step 2
                MM_fields(MM_i+1) = CStr(Request.Form(MM_fields(MM_i)))
            Next

            ' append the query string to the redirect URL
            If (MM_editRedirectUrl <> "" And Request.QueryString <> "") Then
                If (InStr(1, MM_editRedirectUrl, "?", vbTextCompare) = 0 And
Request.QueryString <> "") Then
                    MM_editRedirectUrl = MM_editRedirectUrl & "?" & Request.QueryString
                Else
                    MM_editRedirectUrl = MM_editRedirectUrl & "&" & Request.QueryString
                End If
            End If

            End If

            %>
            <%
            ' *** Update Record: construct a sql update statement and execute it

            If (CStr(Request("MM_update")) <> "" And CStr(Request("MM_recordId")) <>
            "") Then

                ' create the sql update statement
                MM_editQuery = "update " & MM_editTable & " set "
                For MM_i = LBound(MM_fields) To UBound(MM_fields) Step 2
                    MM_formVal = MM_fields(MM_i+1)
                    MM_typeArray = Split(MM_columns(MM_i+1),",")
                    MM_delim = MM_typeArray(0)
                    If (MM_delim = "none") Then MM_delim = ""
                    MM_altVal = MM_typeArray(1)

```

```

If (MM_altVal = "none") Then MM_altVal = ""
MM_emptyVal = MM_typeArray(2)
If (MM_emptyVal = "none") Then MM_emptyVal = ""
If (MM_formVal = "") Then
    MM_formVal = MM_emptyVal
Else
    If (MM_altVal <> "") Then
        MM_formVal = MM_altVal
    ElseIf (MM_delim = "") Then ' escape quotes
        MM_formVal = "" & Replace(MM_formVal,"","") & ""
    Else
        MM_formVal = MM_delim + MM_formVal + MM_delim
    End If
End If
If (MM_i <> LBound(MM_fields)) Then
    MM_editQuery = MM_editQuery & ","
End If
MM_editQuery = MM_editQuery & MM_columns(MM_i) & " = " &
MM_formVal
Next
MM_editQuery = MM_editQuery & " where " & MM_editColumn & " = " &
MM_recordId

If (Not MM_abortEdit) Then
    ' execute the update
    Set MM_editCmd = Server.CreateObject("ADODB.Command")
    MM_editCmd.ActiveConnection = MM_editConnection
    MM_editCmd.CommandText = MM_editQuery
    MM_editCmd.Execute
    MM_editCmd.ActiveConnection.Close

    If (MM_editRedirectUrl <> "") Then
        Response.Redirect(MM_editRedirectUrl)
    End If
End If

End If
%>
<%
Dim rs_subject__MMColParam
rs_subject__MMColParam = "1"
If (Request.QueryString("subjectid") <> "") Then
    rs_subject__MMColParam = Request.QueryString("subjectid")
End If
%>
<%

```

```

Dim rs_subject
Dim rs_subject_numRows

Set rs_subject = Server.CreateObject("ADODB.Recordset")
rs_subject.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_subject.Source = "SELECT * FROM Subject WHERE subjectid = " +
Replace(rs_subject__MMColParam, "", "") + ""
rs_subject.CursorType = 0
rs_subject.CursorLocation = 2
rs_subject.LockType = 1
rs_subject.Open()

rs_subject_numRows = 0
%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Update Subject Record</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
a:link {
    color: #CC3300;
}
a:visited {
    color: #CC3399;
}
a:hover {
    color: #000066;
}
a:active {
    color: #339900;
}
-->
</style></head>
<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
<tr>

```



```
  |
```

```
 <object classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000" codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver sion=5,0,0,0" width="100" height="23">     <param name="movie" value="button4.swf" />     <param name="quality" value="high" />     <param name="bgcolor" value="#DEDEBC" />     <embed src="button4.swf" quality="high" pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23" bgcolor="#DEDEBC"></embed> </object></td>  <object classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000" codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver sion=5,0,0,0" width="103" height="24">     <param name="movie" value="button5.swf" />     <param name="quality" value="high" />     <param name="bgcolor" value="#DEDEBC" />     <embed src="button5.swf" quality="high" pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24" bgcolor="#DEDEBC"></embed> </object></td> </tr> </table></td> </tr> <tr>  <hr /> <h3 align="center"> Update Subject Record </h3>     <hr /> <form ACTION="<%=MM_editAction%>" METHOD="POST" name="frm_Subject" id="frm_Subject">     <table width="95%" border="1" align="center" cellpadding="3" cellspacing="0">     <tr>     <td width="24%">Subject Name </td>     <td width="76%"><input name="subjectName" type="text" id="subjectName" value="<%=rs_subject.Fields.Item("subjectName").Value%>" size="60" /></td>     </tr>     <tr>     <td>Subject Description </td>     <td><textarea name="subjectDescription" cols="60" id="subjectDescription"><%=rs_subject.Fields.Item("subjectDescription").Value%></t extarea></td>     </tr>     <tr> | | |
```

```

        <td><input name="courseid" type="hidden" id="courseid" value="<%=
Request.QueryString("courseid") %>" /></td>
        <td><input type="submit" name="Submit" value="Update" /></td>
    </tr>
</table>
    <input type="hidden" name="MM_update" value="frm_Subject" />
    <input type="hidden" name="MM_recordId" value="<%=
rs_subject.Fields.Item("subjectid").Value %>">
</form>    <p align="left">&nbsp;</p></td>
</tr>
<tr>
    <td>&nbsp;</td>
</tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>
<%
rs_subject.Close()
Set rs_subject = Nothing
%>

```

32. Form_Update_Teach.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
' *** Edit Operations: declare variables

Dim MM_editAction
Dim MM_abortEdit
Dim MM_editQuery
Dim MM_editCmd

Dim MM_editConnection
Dim MM_editTable
Dim MM_editRedirectUrl
Dim MM_editColumn
Dim MM_recordId

Dim MM_fieldsStr
Dim MM_columnsStr
Dim MM_fields
Dim MM_columns
Dim MM_typeArray
Dim MM_formVal
Dim MM_delim
Dim MM_altVal
Dim MM_emptyVal
Dim MM_i

MM_editAction = CStr(Request.ServerVariables("SCRIPT_NAME"))
If (Request.QueryString <> "") Then
    MM_editAction      =      MM_editAction      &      "?"      &
Server.HTMLEncode(Request.QueryString)
End If

' boolean to abort record edit
MM_abortEdit = false

' query string to execute
MM_editQuery = ""
%>
<%
' *** Update Record: set variables
```

```

        If (CStr(Request("MM_update")) = "form1" And CStr(Request("MM_recordId"))
        <> "") Then

```

```

        MM_editConnection = MM_conn_DistanceLearning_STRING
        MM_editTable = "Teach"
        MM_editColumn = "teachid"
        MM_recordId = "" + Request.Form("MM_recordId") + ""
        MM_editRedirectUrl = "Form_Master_Teach.asp"
        MM_fieldsStr = "professorid|value|courseid|value|room|value"
        MM_columnsStr = "professorid|none,none,NULL|courseid|none,none,NULL|room|',none,'"

```

```

        ' create the MM_fields and MM_columns arrays
        MM_fields = Split(MM_fieldsStr, "|")
        MM_columns = Split(MM_columnsStr, "|")

```

```

        ' set the form values
        For MM_i = LBound(MM_fields) To UBound(MM_fields) Step 2
            MM_fields(MM_i+1) = CStr(Request.Form(MM_fields(MM_i)))
        Next

```

```

        ' append the query string to the redirect URL
        If (MM_editRedirectUrl <> "" And Request.QueryString <> "") Then
            If (InStr(1, MM_editRedirectUrl, "?", vbTextCompare) = 0 And
            Request.QueryString <> "") Then
                MM_editRedirectUrl = MM_editRedirectUrl & "?" & Request.QueryString
            Else
                MM_editRedirectUrl = MM_editRedirectUrl & "&" & Request.QueryString
            End If
        End If

```

```

        End If

```

```

        %>

```

```

        <%

```

```

        ' *** Update Record: construct a sql update statement and execute it

```

```

        If (CStr(Request("MM_update")) <> "" And CStr(Request("MM_recordId")) <>
        "") Then

```

```

        ' create the sql update statement
        MM_editQuery = "update " & MM_editTable & " set "
        For MM_i = LBound(MM_fields) To UBound(MM_fields) Step 2
            MM_formVal = MM_fields(MM_i+1)
            MM_typeArray = Split(MM_columns(MM_i+1), ",")
            MM_delim = MM_typeArray(0)
            If (MM_delim = "none") Then MM_delim = ""

```

```

MM_altVal = MM_typeArray(1)
If (MM_altVal = "none") Then MM_altVal = ""
MM_emptyVal = MM_typeArray(2)
If (MM_emptyVal = "none") Then MM_emptyVal = ""
If (MM_formVal = "") Then
    MM_formVal = MM_emptyVal
Else
    If (MM_altVal <> "") Then
        MM_formVal = MM_altVal
    ElseIf (MM_delim = "") Then ' escape quotes
        MM_formVal = "" & Replace(MM_formVal,"","") & ""
    Else
        MM_formVal = MM_delim + MM_formVal + MM_delim
    End If
End If
If (MM_i <> LBound(MM_fields)) Then
    MM_editQuery = MM_editQuery & ","
End If
MM_editQuery = MM_editQuery & MM_columns(MM_i) & " = " &
MM_formVal
Next
MM_editQuery = MM_editQuery & " where " & MM_editColumn & " = " &
MM_recordId

If (Not MM_abortEdit) Then
    ' execute the update
    Set MM_editCmd = Server.CreateObject("ADODB.Command")
    MM_editCmd.ActiveConnection = MM_editConnection
    MM_editCmd.CommandText = MM_editQuery
    MM_editCmd.Execute
    MM_editCmd.ActiveConnection.Close

    If (MM_editRedirectUrl <> "") Then
        Response.Redirect(MM_editRedirectUrl)
    End If
End If

End If
%>
<%
Dim rs_teach__MMColParam
rs_teach__MMColParam = "7"
If (Request.QueryString("professorid") <> "") Then
    rs_teach__MMColParam = Request.QueryString("professorid")
End If
%>

```

```

<%
Dim rs_teach__ParamCourseid
rs_teach__ParamCourseid = "4"
If (Request.QueryString("courseid") <> "") Then
    rs_teach__ParamCourseid = Request.QueryString("courseid")
End If
%>
<%
Dim rs_teach
Dim rs_teach_numRows

Set rs_teach = Server.CreateObject("ADODB.Recordset")
rs_teach.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_teach.Source = "SELECT * FROM Teach WHERE professorid = " +
Replace(rs_teach__MMColParam, "", "") + " AND courseid = " +
Replace(rs_teach__ParamCourseid, "", "") + ""
rs_teach.CursorType = 0
rs_teach.CursorLocation = 2
rs_teach.LockType = 1
rs_teach.Open()

rs_teach_numRows = 0
%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Update"Teach"Record</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
a:link {
    color: #CC3300;
}
a:visited {
    color: #CC3399;
}
a:hover {
    color: #000066;
}
a:active {
    color: #339900;
}
-->
</style></head>

```

```

<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
<tr>
<td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
</td>
</tr>
</table></td>
</tr>
<tr>
<td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
<tr>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
<param name="movie" value="button2.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />
<embed src="button2.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
</object></td>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
<param name="movie" value="button1.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />
<embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>
</object></td>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
<param name="movie" value="button3.swf" />

```



```

        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed
            src="button3.swf"
            quality="high"
            pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
            rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
            bgcolor="#DEDEBC"></embed>
    </object></td>
    <td
        width="14%"
        bgcolor="#DEDEBC"><object
        classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
        codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
        sion=5,0,0,0" width="100" height="23">
            <param name="movie" value="button4.swf" />
            <param name="quality" value="high" />
            <param name="bgcolor" value="#DEDEBC" />
            <embed
                src="button4.swf"
                quality="high"
                pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
                rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
                bgcolor="#DEDEBC"></embed>
        </object></td>
    <td
        width="14%"
        bgcolor="#DEDEBC"><object
        classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
        codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
        sion=5,0,0,0" width="103" height="24">
            <param name="movie" value="button5.swf" />
            <param name="quality" value="high" />
            <param name="bgcolor" value="#DEDEBC" />
            <embed
                src="button5.swf"
                quality="high"
                pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
                rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
                bgcolor="#DEDEBC"></embed>
        </object></td>
    </tr>
</table></td>
</tr>
<tr>
    <td><hr /> <h3 align="center"> Update &quot;Teach&quot; Record </h3>
    <hr />
    <form
        name="form1"
        id="form1"
        method="POST"
        action="<%=MM_editAction%>"
        <table
            width="95%"
            border="1"
            align="center"
            cellpadding="3"
            cellspacing="0">
                <tr>
                    <td>Professor ID </td>
                    <td><input
                        name="professorid"
                        type="text"
                        id="professorid"
                        value="<%= (rs_teach.Fields.Item("professorid").Value)%>" /></td>
                </tr>
            </table>
    </form>

```

```

        <tr>
            <td>Course ID </td>
            <td><input          name="courseid"          type="text"          id="courseid"
value="<%=rs_teach.Fields.Item("courseid").Value)%>" /></td>
        </tr>
        <tr>
            <td>Room</td>
            <td><input          name="room"          type="text"          id="room"
value="<%=rs_teach.Fields.Item("room").Value)%>" /></td>
        </tr>
        <tr>
            <td>&nbsp;</td>
            <td><input type="submit" name="Submit" value="Submit" /></td>
        </tr>
    </table>

    <input type="hidden" name="MM_update" value="form1">
    <input          type="hidden"          name="MM_recordId"          value="<%=
rs_teach.Fields.Item("teachid").Value %>">
    </form>    <p align="left">&nbsp;</p></td>
</tr>
<tr>
    <td>&nbsp;</td>
</tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>
<%
rs_teach.Close()
Set rs_teach = Nothing
%>

```

33. Form_Update_Topic.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
' *** Restrict Access To Page: Grant or deny access to this page
MM_authorizedUsers="admin,professor"
MM_authFailedURL="login.asp"
MM_grantAccess=false
If Session("MM_Username") <> "" Then
    If (false Or CStr(Session("MM_UserAuthorization"))="") Or _
        (InStr(1,MM_authorizedUsers,Session("MM_UserAuthorization"))>=1)
Then
    MM_grantAccess = true
    End If
End If
If Not MM_grantAccess Then
    MM_qsChar = "?"
    If (InStr(1,MM_authFailedURL,"?") >= 1) Then MM_qsChar = "&"
    MM_referrer = Request.ServerVariables("URL")
    if (Len(Request.QueryString()) > 0) Then MM_referrer = MM_referrer & "?" &
Request.QueryString()
    MM_authFailedURL = MM_authFailedURL & MM_qsChar & "accessdenied="
& Server.URLEncode(MM_referrer)
    Response.Redirect(MM_authFailedURL)
End If
%>
<%
' *** Edit Operations: declare variables

Dim MM_editAction
Dim MM_abortEdit
Dim MM_editQuery
Dim MM_editCmd

Dim MM_editConnection
Dim MM_editTable
Dim MM_editRedirectUrl
Dim MM_editColumn
Dim MM_recordId

Dim MM_fieldsStr
Dim MM_columnsStr
Dim MM_fields
Dim MM_columns
```

```

Dim MM_typeArray
Dim MM_formVal
Dim MM_delim
Dim MM_altVal
Dim MM_emptyVal
Dim MM_i

MM_editAction = CStr(Request.ServerVariables("SCRIPT_NAME"))
If (Request.QueryString <> "") Then
    MM_editAction = MM_editAction & "?" &
Server.HTMLEncode(Request.QueryString)
End If

' boolean to abort record edit
MM_abortEdit = false

' query string to execute
MM_editQuery = ""
%>
<%
' *** Update Record: set variables

If (CStr(Request("MM_update")) = "form1" And CStr(Request("MM_recordId"))
<> "") Then

    MM_editConnection = MM_conn_DistanceLearning_STRING
    MM_editTable = "Topic"
    MM_editColumn = "topicid"
    MM_recordId = "" + Request.Form("MM_recordId") + ""
    MM_editRedirectUrl = "Form_Topic_Master.asp"
    MM_fieldsStr = "topicName|value|topicDescription|value"
    MM_columnsStr = "topicName|',none,'|topicDescription|',none,'"

    ' create the MM_fields and MM_columns arrays
    MM_fields = Split(MM_fieldsStr, "|")
    MM_columns = Split(MM_columnsStr, "|")

    ' set the form values
    For MM_i = LBound(MM_fields) To UBound(MM_fields) Step 2
        MM_fields(MM_i+1) = CStr(Request.Form(MM_fields(MM_i)))
    Next

    ' append the query string to the redirect URL
    If (MM_editRedirectUrl <> "" And Request.QueryString <> "") Then
        If (InStr(1, MM_editRedirectUrl, "?", vbTextCompare) = 0 And
Request.QueryString <> "") Then

```

```

        MM_editRedirectUrl = MM_editRedirectUrl & "?" & Request.QueryString
    Else
        MM_editRedirectUrl = MM_editRedirectUrl & "&" & Request.QueryString
    End If
End If

End If
%>
<%
' *** Update Record: construct a sql update statement and execute it

If (CStr(Request("MM_update")) <> "" And CStr(Request("MM_recordId")) <>
"") Then

    ' create the sql update statement
    MM_editQuery = "update " & MM_editTable & " set "
    For MM_i = LBound(MM_fields) To UBound(MM_fields) Step 2
        MM_formVal = MM_fields(MM_i+1)
        MM_typeArray = Split(MM_columns(MM_i+1),",")
        MM_delim = MM_typeArray(0)
        If (MM_delim = "none") Then MM_delim = ""
        MM_altVal = MM_typeArray(1)
        If (MM_altVal = "none") Then MM_altVal = ""
        MM_emptyVal = MM_typeArray(2)
        If (MM_emptyVal = "none") Then MM_emptyVal = ""
        If (MM_formVal = "") Then
            MM_formVal = MM_emptyVal
        Else
            If (MM_altVal <> "") Then
                MM_formVal = MM_altVal
            ElseIf (MM_delim = "") Then ' escape quotes
                MM_formVal = "" & Replace(MM_formVal,"","") & ""
            Else
                MM_formVal = MM_delim + MM_formVal + MM_delim
            End If
        End If
        If (MM_i <> LBound(MM_fields)) Then
            MM_editQuery = MM_editQuery & ","
        End If
        MM_editQuery = MM_editQuery & MM_columns(MM_i) & " = " &
MM_formVal
    Next
    MM_editQuery = MM_editQuery & " where " & MM_editColumn & " = " &
MM_recordId

    If (Not MM_abortEdit) Then

```

```

' execute the update
Set MM_editCmd = Server.CreateObject("ADODB.Command")
MM_editCmd.ActiveConnection = MM_editConnection
MM_editCmd.CommandText = MM_editQuery
MM_editCmd.Execute
MM_editCmd.ActiveConnection.Close

If (MM_editRedirectUrl <> "") Then
    Response.Redirect(MM_editRedirectUrl)
End If
End If

End If
%>
<%
Dim rs_subject__MMColParam
rs_subject__MMColParam = "1"
If (Request.QueryString("subjectid") <> "") Then
    rs_subject__MMColParam = Request.QueryString("subjectid")
End If
%>
<%
Dim rs_subject
Dim rs_subject_numRows

Set rs_subject = Server.CreateObject("ADODB.Recordset")
rs_subject.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_subject.Source = "SELECT * FROM Subject WHERE subjectid = " +
Replace(rs_subject__MMColParam, "'", "''") + "'"
rs_subject.CursorType = 0
rs_subject.CursorLocation = 2
rs_subject.LockType = 1
rs_subject.Open()

rs_subject_numRows = 0
%>
<%
Dim rs_topic__MMColParam
rs_topic__MMColParam = "1"
If (Request.QueryString("topicid") <> "") Then
    rs_topic__MMColParam = Request.QueryString("topicid")
End If
%>
<%
Dim rs_topic
Dim rs_topic_numRows

```

```

Set rs_topic = Server.CreateObject("ADODB.Recordset")
rs_topic.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_topic.Source = "SELECT * FROM Topic WHERE topicid = " +
Replace(rs_topic__MMColParam, "", "") + ""
rs_topic.CursorType = 0
rs_topic.CursorLocation = 2
rs_topic.LockType = 1
rs_topic.Open()

rs_topic_numRows = 0
%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Update Topic</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
a:link {
    color: #CC3300;
}
a:visited {
    color: #CC3399;
}
a:hover {
    color: #000066;
}
a:active {
    color: #339900;
}
-->
</style>
<script language="JavaScript" type="text/JavaScript">
<!--
function MM_findObj(n, d) { //v4.01
    var p,i,x;  if(!d) d=document; if((p=n.indexOf("?"))>0&&parent.frames.length)
{
        d=parent.frames[n.substring(p+1)].document; n=n.substring(0,p);}
    if(!(x=d[n])&&d.all)    x=d.all[n];    for    (i=0;!x&&i<d.forms.length;i++)
x=d.forms[i][n];
        for(i=0;!x&&d.layers&&i<d.layers.length;i++)
x=MM_findObj(n,d.layers[i].document);
    if(!x && d.getElementById) x=d.getElementById(n); return x;

```

```

    }

    function MM_validateForm() { //v4.0
        var i,p,q,nm,test,num,min,max,errors="",args=MM_validateForm.arguments;
        for (i=0; i<(args.length-2); i+=3) { test=args[i+2]; val=MM_findObj(args[i]);
            if (val) { nm=val.name; if ((val=val.value)!="") {
                if (test.indexOf('isEmail')!=-1) { p=val.indexOf('@');
                    if (p<1 || p==(val.length-1)) errors+="- "+nm+" must contain an e-mail
address.\n";
                } else if (test!='R') { num = parseFloat(val);
                    if (isNaN(val)) errors+="- "+nm+" must contain a number.\n";
                    if (test.indexOf('inRange') != -1) { p=test.indexOf(':');
                        min=test.substring(8,p); max=test.substring(p+1);
                        if (num<min || max<num) errors+="- "+nm+" must contain a number
between '+min+' and '+max+'.\n";
                    } } } else if (test.charAt(0) == 'R') errors += "- "+nm+" is required.\n"; }
            } if (errors) alert("The following error(s) occurred:\n"+errors);
            document.MM_returnValue = (errors == "");
        }
    }
    //-->
</script>
</head>
<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
    <tr>
        <td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
            <tr>
                <td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
            </td>
            </tr>
        </table></td>
    </tr>
    <tr>
        <td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
            <tr>
                <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
                    <param name="movie" value="button2.swf" />
                    <param name="quality" value="high" />
                    <param name="bgcolor" value="#DEDEBC" />

```



```

                <embed
                                src="button2.swf"
                                quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
        </object></td>
        <td
                                width="14%"
                                bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
                <param name="movie" value="button1.swf" />
                <param name="quality" value="high" />
                <param name="bgcolor" value="#DEDEBC" />
                <embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>
        </object></td>
        <td
                                width="14%"
                                bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
                <param name="movie" value="button3.swf" />
                <param name="quality" value="high" />
                <param name="bgcolor" value="#DEDEBC" />
                <embed
                                src="button3.swf"
                                quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
        </object></td>
        <td
                                width="14%"
                                bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
                <param name="movie" value="button4.swf" />
                <param name="quality" value="high" />
                <param name="bgcolor" value="#DEDEBC" />
                <embed
                                src="button4.swf"
                                quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
        </object></td>
        <td
                                width="14%"
                                bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
                <param name="movie" value="button5.swf" />

```

```

        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed
            src="button5.swf"
            quality="high"
            pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Version=ShockwaveFlash"
            type="application/x-shockwave-flash"
            width="103"
            height="24"
            bgcolor="#DEDEBC"></embed>
    </object></td>
</tr>
</table></td>
</tr>
<tr>
<td><hr /> <h3 align="center"> Update Topic Record </h3>
    <hr />
    <form
        name="form1"
        id="form1"
        method="POST"
        action="<%=MM_editAction%>"
        <table
            width="95%"
            border="1"
            align="center"
            cellpadding="3"
            cellspacing="0">
        <tr>
            <td width="24%">Topic Name </td>
            <td
                width="76%"><input
                    name="topicName"
                    type="text"
                    id="topicName"
                    value="<%=rs_topic.Fields.Item("topicName").Value%>"
                    size="60"
                /></td>
        </tr>
        <tr>
            <td>Topic Description </td>
            <td><textarea
                name="topicDescription"
                cols="60"
                id="topicDescription"><%=rs_topic.Fields.Item("topicDescription").Value%></textarea>
            </td>
        </tr>
        <tr>
            <td><input
                name="subjectid"
                type="hidden"
                id="subjectid"
                value="<%=Request.QueryString("subjectid") %>"
            /></td>
            <td><input
                name="Submit"
                type="submit"
                onclick="MM_validateForm('topicName','R','topicDescription','R');return document.MM_returnValue"
                value="Submit"
            /></td>
        </tr>
    </table>

    <input type="hidden" name="MM_update" value="form1">
    <input
        type="hidden"
        name="MM_recordId"
        value="<%=rs_topic.Fields.Item("topicid").Value %>"
    />
    <form> <p align="left">&nbsp;</p></td>
</tr>
<tr>
<td>&nbsp;</td>
</tr>

```

```
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>
<%
rs_subject.Close()
Set rs_subject = Nothing
%>
<%
rs_topic.Close()
Set rs_topic = Nothing
%>
```

34. Form_Update_User.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
' *** Restrict Access To Page: Grant or deny access to this page
MM_authorizedUsers="admin"
MM_authFailedURL="login.asp"
MM_grantAccess=false
If Session("MM_Username") <> "" Then
    If (false Or CStr(Session("MM_UserAuthorization"))="") Or _
        (InStr(1,MM_authorizedUsers,Session("MM_UserAuthorization"))>=1)
Then
    MM_grantAccess = true
    End If
End If
If Not MM_grantAccess Then
    MM_qsChar = "?"
    If (InStr(1,MM_authFailedURL,"?") >= 1) Then MM_qsChar = "&"
    MM_referrer = Request.ServerVariables("URL")
    if (Len(Request.QueryString()) > 0) Then MM_referrer = MM_referrer & "?" &
Request.QueryString()
    MM_authFailedURL = MM_authFailedURL & MM_qsChar & "accessdenied="
& Server.URLEncode(MM_referrer)
    Response.Redirect(MM_authFailedURL)
End If
%>
<%
' *** Edit Operations: declare variables

Dim MM_editAction
Dim MM_abortEdit
Dim MM_editQuery
Dim MM_editCmd

Dim MM_editConnection
Dim MM_editTable
Dim MM_editRedirectUrl
Dim MM_editColumn
Dim MM_recordId

Dim MM_fieldsStr
Dim MM_columnsStr
Dim MM_fields
Dim MM_columns
```

```

Dim MM_typeArray
Dim MM_formVal
Dim MM_delim
Dim MM_altVal
Dim MM_emptyVal
Dim MM_i

MM_editAction = CStr(Request.ServerVariables("SCRIPT_NAME"))
If (Request.QueryString <> "") Then
    MM_editAction = MM_editAction & "?" &
Server.HTMLEncode(Request.QueryString)
End If

' boolean to abort record edit
MM_abortEdit = false

' query string to execute
MM_editQuery = ""
%>
<%
' *** Update Record: set variables

If (CStr(Request("MM_update")) = "form1" And CStr(Request("MM_recordId"))
<> "") Then

    MM_editConnection = MM_conn_DistanceLearning_STRING
    MM_editTable = "User"
    MM_editColumn = "userid"
    MM_recordId = "" + Request.Form("MM_recordId") + ""
    MM_editRedirectUrl = "Form_Master_User.asp"
    MM_fieldsStr =
"firstName|value|lastName|value|officePhone|value|officeRoom|value|email|value|userNa
me|value|password|value|userGroup|value"
    MM_columnsStr =
"firstName|',none,'|lastName|',none,'|officephone|',none,'|officeRoom|',none,'|email|',non
e,'|userName|',none,'|password|',none,'|userGroup|',none,'"

    ' create the MM_fields and MM_columns arrays
    MM_fields = Split(MM_fieldsStr, "|")
    MM_columns = Split(MM_columnsStr, "|")

    ' set the form values
    For MM_i = LBound(MM_fields) To UBound(MM_fields) Step 2
        MM_fields(MM_i+1) = CStr(Request.Form(MM_fields(MM_i)))
    Next

```

```

' append the query string to the redirect URL
If (MM_editRedirectUrl <> "" And Request.QueryString <> "") Then
    If (InStr(1, MM_editRedirectUrl, "?", vbTextCompare) = 0 And
Request.QueryString <> "") Then
        MM_editRedirectUrl = MM_editRedirectUrl & "?" & Request.QueryString
    Else
        MM_editRedirectUrl = MM_editRedirectUrl & "&" & Request.QueryString
    End If
End If

End If
%>
<%
' *** Update Record: construct a sql update statement and execute it

If (CStr(Request("MM_update")) <> "" And CStr(Request("MM_recordId")) <>
"") Then

' create the sql update statement
MM_editQuery = "update " & MM_editTable & " set "
For MM_i = LBound(MM_fields) To UBound(MM_fields) Step 2
    MM_formVal = MM_fields(MM_i+1)
    MM_typeArray = Split(MM_columns(MM_i+1),",")
    MM_delim = MM_typeArray(0)
    If (MM_delim = "none") Then MM_delim = ""
    MM_altVal = MM_typeArray(1)
    If (MM_altVal = "none") Then MM_altVal = ""
    MM_emptyVal = MM_typeArray(2)
    If (MM_emptyVal = "none") Then MM_emptyVal = ""
    If (MM_formVal = "") Then
        MM_formVal = MM_emptyVal
    Else
        If (MM_altVal <> "") Then
            MM_formVal = MM_altVal
        ElseIf (MM_delim = "") Then ' escape quotes
            MM_formVal = "" & Replace(MM_formVal,"","'") & ""
        Else
            MM_formVal = MM_delim + MM_formVal + MM_delim
        End If
    End If
    If (MM_i <> LBound(MM_fields)) Then
        MM_editQuery = MM_editQuery & ","
    End If
    MM_editQuery = MM_editQuery & MM_columns(MM_i) & " = " &
MM_formVal
Next

```

```
MM_editQuery = MM_editQuery & " where " & MM_editColumn & " = " & MM_recordId
```

```

If (Not MM_abortEdit) Then
    ' execute the update
    Set MM_editCmd = Server.CreateObject("ADODB.Command")
    MM_editCmd.ActiveConnection = MM_editConnection
    MM_editCmd.CommandText = MM_editQuery
    MM_editCmd.Execute
    MM_editCmd.ActiveConnection.Close

```

```

    If (MM_editRedirectUrl <> "") Then
        Response.Redirect(MM_editRedirectUrl)
    End If
End If

```

```
End If
```

```
%>
```

```
<%
```

```
Dim rs_user__MMColParam
```

```
rs_user__MMColParam = "1"
```

```
If (Request.QueryString("userid") <> "") Then
```

```
    rs_user__MMColParam = Request.QueryString("userid")
```

```
End If
```

```
%>
```

```
<%
```

```
Dim rs_user
```

```
Dim rs_user_numRows
```

```
Set rs_user = Server.CreateObject("ADODB.Recordset")
```

```
rs_user.ActiveConnection = MM_conn_DistanceLearning_STRING
```

```
rs_user.Source = "SELECT * FROM User WHERE userid = " +
```

```
Replace(rs_user__MMColParam, "", "") + ""
```

```
rs_user.CursorType = 0
```

```
rs_user.CursorLocation = 2
```

```
rs_user.LockType = 1
```

```
rs_user.Open()
```

```
rs_user_numRows = 0
```

```
%>
```

```

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

```

```
<html xmlns="http://www.w3.org/1999/xhtml">
```

```
<head>
```

```
<title>Distance Learning: Update User Form</title>
```

```
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
```

```

<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
a:link {
    color: #CC3300;
}
a:visited {
    color: #CC3399;
}
a:hover {
    color: #000066;
}
a:active {
    color: #339900;
}
-->
</style></head>
<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
<tr>
<td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
</td>
</tr>
</table></td>
</tr>
<tr>
<td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
<tr>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
<param name="movie" value="button2.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />
<embed
src="button2.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
</object></td>

```



```
 <object classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000" codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver sion=5,0,0,0" name="Search" width="100" height="23" id="Search">     <param name="movie" value="button1.swf" />     <param name="quality" value="high" />     <param name="bgcolor" value="#DEDEBC" />     <embed src="button1.swf" width="100" height="23" quality="high" pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC" name="Search"></embed> </object></td>  <object classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000" codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver sion=5,0,0,0" width="100" height="23">     <param name="movie" value="button3.swf" />     <param name="quality" value="high" />     <param name="bgcolor" value="#DEDEBC" />     <embed src="button3.swf" quality="high" pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23" bgcolor="#DEDEBC"></embed> </object></td>  <object classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000" codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver sion=5,0,0,0" width="100" height="23">     <param name="movie" value="button4.swf" />     <param name="quality" value="high" />     <param name="bgcolor" value="#DEDEBC" />     <embed src="button4.swf" quality="high" pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23" bgcolor="#DEDEBC"></embed> </object></td>  <object classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000" codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver sion=5,0,0,0" width="103" height="24">     <param name="movie" value="button5.swf" />     <param name="quality" value="high" />     <param name="bgcolor" value="#DEDEBC" />     <embed src="button5.swf" quality="high" pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve | | | |
```

```

rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
</object></td>
</tr>
</table></td>
</tr>
<tr>
<td><hr /> <h3 align="center"> Update User Record </h3>
<hr />
<form name="form1" id="form1" method="POST"
action="<%=MM_editAction%>"
<table width="95%" border="1" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td>First Name </td>
<td><input name="firstName" type="text" id="firstName"
value="<%=rs_user.Fields.Item("firstName").Value%>" /></td>
</tr>
<tr>
<td>Last Name </td>
<td><input name="lastName" type="text" id="lastName"
value="<%=rs_user.Fields.Item("lastName").Value%>" /></td>
</tr>
<tr>
<td>Office Phone </td>
<td><input name="officePhone" type="text" id="officePhone"
value="<%=rs_user.Fields.Item("officephone").Value%>" /></td>
</tr>
<tr>
<td>Office Room </td>
<td><input name="officeRoom" type="text" id="officeRoom"
value="<%=rs_user.Fields.Item("officeRoom").Value%>" /></td>
</tr>
<tr>
<td>Email Address </td>
<td><input name="email" type="text" id="email"
value="<%=rs_user.Fields.Item("email").Value%>" size="60" /></td>
</tr>
<tr>
<td>User Name </td>
<td><input name="userName" type="text" id="userName"
value="<%=rs_user.Fields.Item("userName").Value%>" /></td>
</tr>
<tr>
<td>Password</td>

```

```

        <td><input    name="password"    type="password"    id="password"
value="<%=rs_user.Fields.Item("password").Value)%>" /></td>
    </tr>
    <tr>
        <td>User Group </td>
        <td><input    name="userGroup"    type="text"    id="userGroup"
value="<%=rs_user.Fields.Item("userGroup").Value)%>" /></td>
    </tr>
    <tr>
        <td>&nbsp;</td>
        <td><input type="submit" name="Submit" value="Submit" /></td>
    </tr>
</table>

    <input type="hidden" name="MM_update" value="form1">
    <input    type="hidden"    name="MM_recordId"    value="<%=
rs_user.Fields.Item("userid").Value %>">
    </form>    <p align="left">&nbsp;</p></td>
</tr>
<tr>
    <td>&nbsp;</td>
</tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>
<%
rs_user.Close()
Set rs_user = Nothing
%>

```

35. Home_Page.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%><!DOCTYPE html
PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning:DLR Home Page</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
a:link {
    color: #CC3300;
}
a:visited {
    color: #CC3399;
}
a:hover {
    color: #000066;
}
a:active {
    color: #339900;
}
.style1 {color: #FF0000}
-->
</style></head>
<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
<tr>
<td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
</td>
</tr>
</table></td>
</tr>
<tr>
<td><hr /> <h3 align="center"> DLR Content Management System Home
Page </h3>
<hr /> <p align="center" class="style1">***WELCOME TO THE DLR
CONTENT MANAGEMENT SYSTEM***<br />
```

```

        SELECT FROM BELOW LIST OF OPERATIONS TO CONTINUE </p>
    </td>
</tr>
<tr>
    <td><table width="70%" border="1" align="center" cellpadding="3"
cellspacing="0">
        <tr>
            <td width="77%"><strong>Search<br />
                </strong>(Content Query by Keyword or Course)</td>
            <td width="23%"><object classid="clsid:D27CDB6E-AE6D-11cf-96B8-
444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
                <param name="movie" value="button1.swf" />
                <param name="quality" value="high" />
                <param name="bgcolor" value="#DEDEBC" />
                <embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>
            </object></td>
        </tr>
        <tr>
            <td><strong>Log In<br />
                </strong>(Required ONLY for Database Modification) </td>
            <td><object classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
                <param name="movie" value="button5.swf" />
                <param name="quality" value="high" />
                <param name="bgcolor" value="#DEDEBC" />
                <embed
                    src="button5.swf"
                    quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
            </object></td>
        </tr>
        <tr>
            <td><strong>Alter Database</strong> <br />
                (Professors & Content Developers ONLY) </td>
            <td><object classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
                <param name="BGCOLOR" value="#DEDEBC" />
                <param name="movie" value="button6.swf" />
                <param name="quality" value="high" />

```

```

        <embed src="button6.swf" width="103" height="24" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
></embed>
        </object></td>
    </tr>
    <tr>
        <td><strong>User's Records, Category Records, &quot;Teach&quot;
Records</strong> <br />
        (Administrator ONLY) </td>
        <td><object classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
            <param name="BGCOLOR" value="#DEDEBC" />
            <param name="movie" value="button7.swf" />
            <param name="quality" value="high" />
            <embed src="button7.swf" width="103" height="24" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
></embed>
            </object></td>
        </tr>
    </table> </td>
</tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>

```

36. Image_Detail_Visitor.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
Dim rs_graphic__MMColParam
rs_graphic__MMColParam = "1"
If (Request.QueryString("graphicid") <> "") Then
    rs_graphic__MMColParam = Request.QueryString("graphicid")
End If
%>
<%
Dim rs_graphic
Dim rs_graphic_numRows

Set rs_graphic = Server.CreateObject("ADODB.Recordset")
rs_graphic.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_graphic.Source = "SELECT * FROM Graphic WHERE graphicid = " +
Replace(rs_graphic__MMColParam, "", "") + ""
rs_graphic.CursorType = 0
rs_graphic.CursorLocation = 2
rs_graphic.LockType = 1
rs_graphic.Open()

rs_graphic_numRows = 0
%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Image Result</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
.style1 {
    color: #CC3300;
    font-weight: bold;
}
-->
</style>
</head>
<body>
<table width="95%" height="335" border="0" align="center" cellpadding="3"
cellspacing="0">
```

```

        <tr>
        <td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
        <tr>
        <td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
        </td>
        </tr>
        </table></td>
        </tr>
        <tr>
        <td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
        <tr>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
        <param name="movie" value="button2.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed
src="button2.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
        </object></td>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
        <param name="movie" value="button1.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>
        </object></td>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
        <param name="movie" value="button3.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />

```



```

                <embed
                    src="button3.swf"
                    quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
            </object></td>
            <td
                width="14%"
                bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
                <param name="movie" value="button4.swf" />
                <param name="quality" value="high" />
                <param name="bgcolor" value="#DEDEBC" />
                <embed
                    src="button4.swf"
                    quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
            </object></td>
            <td
                width="14%"
                bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
                <param name="movie" value="button5.swf" />
                <param name="quality" value="high" />
                <param name="bgcolor" value="#DEDEBC" />
                <embed
                    src="button5.swf"
                    quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
            </object></td>
        </tr>
    </table></td>
</tr>
<tr>
    <td height="68"><hr />
    <h3 align="center">
        Image Result
    </h3>
    <hr />
    </td>
</tr>
<tr>
    <td><p align="center"><span class="style1"><br />
        <%=rs_graphic.Fields.Item("graphicName").Value)%></span>:</p>
        <p align="center">" /> </p></td>
    </tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>

```

```

</html>
<%
rs_graphic.Close()
Set rs_graphic = Nothing
%>

```

37. Image_Result.asp

```

<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
Dim rs_image__MMColParam
rs_image__MMColParam = "0"
If (Request.QueryString("graphicid") <> "") Then
    rs_image__MMColParam = Request.QueryString("graphicid")
End If
%>
<%
Dim rs_image
Dim rs_image_numRows

Set rs_image = Server.CreateObject("ADODB.Recordset")
rs_image.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_image.Source = "SELECT * FROM Graphic WHERE graphicid = " +
Replace(rs_image__MMColParam, "", "") + ""
rs_image.CursorType = 0
rs_image.CursorLocation = 2
rs_image.LockType = 1
rs_image.Open()

rs_image_numRows = 0
%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Image Result</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
.style1 {

```

```

        color: #CC3300;
        font-weight: bold;
    }
-->
</style>
</head>
<body>
    <table width="95%" height="340" border="0" align="center" cellpadding="3"
cellspacing="0">
        <tr>
            <td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
                <tr>
                    <td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
                </td>
            </tr>
        </table></td>
    </tr>
    <tr>
        <td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
            <tr>
                <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
                    <param name="movie" value="button2.swf" />
                    <param name="quality" value="high" />
                    <param name="bgcolor" value="#DEDEBC" />
                    <embed
                        src="button2.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
                </object></td>
                <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
                    <param name="movie" value="button1.swf" />
                    <param name="quality" value="high" />
                    <param name="bgcolor" value="#DEDEBC" />
                    <embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>
                </td>
            </tr>
        </table>
    </td>

```

```

        </object></td>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
        <param name="movie" value="button3.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button3.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
        </object></td>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
        <param name="movie" value="button4.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button4.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
        </object></td>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
        <param name="movie" value="button5.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button5.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
        </object></td>
    </tr>
</table></td>
</tr>
<tr>
    <td height="73"><hr />    <h3 align="center">    Image Result </h3>
    <hr />    </td>
</tr>
<tr>

```

```

        <td><p
                                align="center">Image:
class="style1"><%=rs_image.Fields.Item("graphicName").Value)%></span> </p>
        <p
                                align="center">" /></p></td>
        </tr>
    </table>
    <p>&nbsp;</p>
    <p>&nbsp;</p>
</body>
</html>
<%
rs_image.Close()
Set rs_image = Nothing
%>

```

38. Image_Result_All_Nps.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
Dim rs_allGraphics__MMColParam
rs_allGraphics__MMColParam = "2"
If (Request.QueryString("subsectionid") <> "") Then
    rs_allGraphics__MMColParam = Request.QueryString("subsectionid")
End If
%>
<%
Dim rs_allGraphics
Dim rs_allGraphics_numRows

Set rs_allGraphics = Server.CreateObject("ADODB.Recordset")
rs_allGraphics.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_allGraphics.Source = "SELECT * FROM Subsection_Has_Graphics, Graphic
WHERE Subsection_Has_Graphics.graphicid= Graphic.graphicid AND
Subsection_Has_Graphics.subsectionid = " + Replace(rs_allGraphics__MMColParam,
"", "") + " ORDER BY Graphic.graphicName ASC"
rs_allGraphics.CursorType = 0
rs_allGraphics.CursorLocation = 2
rs_allGraphics.LockType = 1
rs_allGraphics.Open()

rs_allGraphics_numRows = 0
%>
<%
Dim rs_subsection__MMColParam
rs_subsection__MMColParam = "1"
If (Request.QueryString("subsectionid") <> "") Then
    rs_subsection__MMColParam = Request.QueryString("subsectionid")
End If
%>
<%
Dim rs_subsection
Dim rs_subsection_numRows

Set rs_subsection = Server.CreateObject("ADODB.Recordset")
rs_subsection.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_subsection.Source = "SELECT subsectionid, subsectionName FROM
Subsection WHERE subsectionid = " + Replace(rs_subsection__MMColParam, "", "")
+ ""
```

```

rs_subsection.CursorType = 0
rs_subsection.CursorLocation = 2
rs_subsection.LockType = 1
rs_subsection.Open()

rs_subsection_numRows = 0
%>
<%
Dim Repeat1__numRows
Dim Repeat1__index

Repeat1__numRows = 5
Repeat1__index = 0
rs_allGraphics_numRows = rs_allGraphics_numRows + Repeat1__numRows
%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: All Images</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
a:link {
    color: #CC3300;
}
a:visited {
    color: #CC3399;
}
a:hover {
    color: #000066;
}
a:active {
    color: #339900;
}
.style1 {color: #CC3300}
-->
</style></head>
<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
<tr>

```

```
  |
```



```
 <object classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000" codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver sion=5,0,0,0" width="100" height="23">     <param name="movie" value="button4.swf" />     <param name="quality" value="high" />     <param name="bgcolor" value="#DEDEBC" />     <embed src="button4.swf" quality="high" pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23" bgcolor="#DEDEBC"></embed> </object></td>  <object classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000" codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver sion=5,0,0,0" width="103" height="24">     <param name="movie" value="button5.swf" />     <param name="quality" value="high" />     <param name="bgcolor" value="#DEDEBC" />     <embed src="button5.swf" quality="high" pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24" bgcolor="#DEDEBC"></embed> </object></td> </tr> </table></td> </tr> <tr>  <hr /> <h3 align="center"> All Images for: <span class="style1"><%=rs_subsection.Fields.Item("subsectionName").Value)%></span> </h3> <hr /> </td> </tr> <tr>  <% While ((Repeat1__numRows <> 0) AND (NOT rs_allGraphics.EOF)) %> <p align="center"><strong><%=rs_allGraphics.Fields.Item("graphicName").Value)%></str ong></p> <p align="center"><strong>" /></strong></p> <% Repeat1__index=Repeat1__index+1 Repeat1__numRows=Repeat1__numRows-1 | | | |
```

```

    rs_allGraphics.MoveNext()
Wend
%></td>
</tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>
<%
rs_allGraphics.Close()
Set rs_allGraphics = Nothing
%>
<%
rs_subsection.Close()
Set rs_subsection = Nothing
%>

```

39. Images_Result_Visitor.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
Dim Recordset1__MMColParam
Recordset1__MMColParam = "4"
If (Request.QueryString("subsectionid") <> "") Then
    Recordset1__MMColParam = Request.QueryString("subsectionid")
End If
%>
<%
Dim Recordset1
Dim Recordset1_numRows

Set Recordset1 = Server.CreateObject("ADODB.Recordset")
Recordset1.ActiveConnection = MM_conn_DistanceLearning_STRING
Recordset1.Source = "SELECT Graphic.graphicid, Graphic.graphicName,
Subsection_Has_Graphics.subsectionid FROM Graphic, Subsection_Has_Graphics
WHERE Graphic.graphicid=Subsection_Has_Graphics.graphicid AND
Subsection_Has_Graphics.subsectionid = " + Replace(Recordset1__MMColParam, "'",
''''') + "'"
Recordset1.CursorType = 0
Recordset1.CursorLocation = 2
Recordset1.LockType = 1
Recordset1.Open()

Recordset1_numRows = 0
%>
<%
Dim rs_subsection__MMColParam
rs_subsection__MMColParam = "1"
If (Request.QueryString("subsectionid") <> "") Then
    rs_subsection__MMColParam = Request.QueryString("subsectionid")
End If
%>
<%
Dim rs_subsection
Dim rs_subsection_numRows

Set rs_subsection = Server.CreateObject("ADODB.Recordset")
rs_subsection.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_subsection.Source = "SELECT subsectionid, subsectionName FROM
Subsection WHERE subsectionid = " + Replace(rs_subsection__MMColParam, "'",
''''') + " ORDER BY subsectionName ASC"
```

```

rs_subsection.CursorType = 0
rs_subsection.CursorLocation = 2
rs_subsection.LockType = 1
rs_subsection.Open()

rs_subsection_numRows = 0
%>
<%
Dim Repeat1__numRows
Dim Repeat1__index

Repeat1__numRows = 10
Repeat1__index = 0
Recordset1_numRows = Recordset1_numRows + Repeat1__numRows
%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Images List Result</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
a:link {
    color: #CC3300;
}
a:visited {
    color: #CC3399;
}
a:hover {
    color: #000099;
}
a:active {
    color: #339900;
}
.style1 {    color: #CC3300;
    font-weight: bold;
}
.style2 {color: #CC3300}
-->
</style></head>
<body>
<table width="95%" height="300" border="0" align="center" cellpadding="3"
cellspacing="0">
<tr>

```

```
 <table width="100%" border="0" align="left" cellpadding="3" cellspacing="0" bgcolor="#DEDEBC"> |  |  |  | | --- | --- | --- | | <table width="72%" border="0" align="center" cellpadding="3" cellspacing="0" bordercolor="#F6F6F3"> |  | | --- | | 322 | | | |
```

```

rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
</object></td>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
<param name="movie" value="button4.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />
<embed src="button4.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
</object></td>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
<param name="movie" value="button5.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />
<embed src="button5.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
</object></td>
</tr>
</table></td>
</tr>
<tr>
<td height="74"><hr /> <h3 align="center"> Image List for: <span
class="style2"><%= (rs_subsection.Fields.Item("subsectionName").Value)%></span>
Subsection </h3>
<hr />
</td>
</tr>
<tr>
<td>
<%=
While ((Repeat1__numRows <> 0) AND (NOT Recordset1.EOF))
%>
<div align="center"><a
href="Image_Detail_Visitor.asp?graphicid=<%= (Recordset1.Fields.Item("graphicid").Va
lue)%>"><strong><%= (Recordset1.Fields.Item("graphicName").Value)%></strong><br/
>

```

```

        </a>
    </div>
    <%
Repeat1__index=Repeat1__index+1
Repeat1__numRows=Repeat1__numRows-1
Recordset1.MoveNext()
Wend
%>
    <p><br />
        If you want to see all <span class="style1">Images</span> for this Subsection
click          the          link:&nbsp;<a
href="Image_Result_All_NPS.asp?subsectionid=<%=rs_subsection.Fields.Item("subsec
tionid").Value)%>">See all Images</a></p></td>
    </tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>
<%
Recordset1.Close()
Set Recordset1 = Nothing
%>
<%
rs_subsection.Close()
Set rs_subsection = Nothing
%>

```

40. Keyword_Request.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
Dim rs_category
Dim rs_category_numRows

Set rs_category = Server.CreateObject("ADODB.Recordset")
rs_category.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_category.Source = "SELECT * FROM Category ORDER BY categoryName
ASC"
rs_category.CursorType = 0
rs_category.CursorLocation = 2
rs_category.LockType = 1
rs_category.Open()

rs_category_numRows = 0
%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Search by Keywords</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<script language="JavaScript" type="text/JavaScript">
<!--
function MM_findObj(n, d) { //v4.01
    var p,i,x;  if(!d) d=document; if((p=n.indexOf("?"))>0&&parent.frames.length)
{
        d=parent.frames[n.substring(p+1)].document; n=n.substring(0,p);}
    if(!(x=d[n])&&d.all)    x=d.all[n];    for    (i=0;!x&&i<d.forms.length;i++)
x=d.forms[i][n];
        for(i=0;!x&&d.layers&&i<d.layers.length;i++)
x=MM_findObj(n,d.layers[i].document);
    if(!x && d.getElementById) x=d.getElementById(n); return x;
}

function MM_validateForm() { //v4.0
    var i,p,q,nm,test,num,min,max,errors="",args=MM_validateForm.arguments;
    for (i=0; i<(args.length-2); i+=3) { test=args[i+2]; val=MM_findObj(args[i]);
        if (val) { nm=val.name; if ((val=val.value)!="") {
            if (test.indexOf('isEmail')!=-1) { p=val.indexOf('@');
```



```

        if (p<1 || p==(val.length-1)) errors+="- '+nm+' must contain an e-mail
address.\n";
    } else if (test!='R') { num = parseFloat(val);
    if (isNaN(val)) errors+="- '+nm+' must contain a number.\n";
    if (test.indexOf('inRange') != -1) { p=test.indexOf(':');
    min=test.substring(8,p); max=test.substring(p+1);
    if (num<min || max<num) errors+="- '+nm+' must contain a number
between '+min+' and '+max+'.\n";
    } } } else if (test.charAt(0) == 'R') errors += '- '+nm+' is required.\n'; }
} if (errors) alert('The following error(s) occurred:\n'+errors);
document.MM_returnValue = (errors == "");
}
//-->
</script>
</head>
<body>
<table width="95%" height="403" border="0" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
<tr>
<td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
</td>
</tr>
</table></td>
</tr>
<tr>
<td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
<tr>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
<param name="movie" value="button2.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />
<embed src="button2.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
</object></td>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"

```

```

codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
    <param name="movie" value="button1.swf" />
    <param name="quality" value="high" />
    <param name="bgcolor" value="#DEDEBC" />
    <embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>
</object></td>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
    <param name="movie" value="button3.swf" />
    <param name="quality" value="high" />
    <param name="bgcolor" value="#DEDEBC" />
    <embed src="button3.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
</object></td>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
    <param name="movie" value="button4.swf" />
    <param name="quality" value="high" />
    <param name="bgcolor" value="#DEDEBC" />
    <embed src="button4.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
</object></td>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
    <param name="movie" value="button5.swf" />
    <param name="quality" value="high" />
    <param name="bgcolor" value="#DEDEBC" />
    <embed src="button5.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
</object></td>

```

```

        </tr>
    </table></td>
</tr>
<tr>
    <td height="42"><hr />    <h3 align="center">    Search by Keywords</h3>
    <hr />    </td>
</tr>
<tr>
    <td    height="113"><form    name="frmkeywords"    id="frmkeywords"
method="get" action="Keyword_Result.asp?keywords">
    <table    width="54%"    border="1"    align="center"    cellpadding="3"
cellspacing="0">
        <tr>
            <td width="25%"><div align="left">Enter Keywords: </div></td>
            <td width="75%"><div align="center">
                <input name="keywords" type="text" id="keywords" size="40" />
            </div></td>
        </tr>
        <tr>
            <td>&nbsp;</td>
            <td><div align="center">
                <input
                    name="Submit"
                    type="submit"
                    onclick="MM_validateForm('keywords','R');return    document.MM_returnValue"
                    value="Search" />
            </div></td>
        </tr>
    </table>
    </form></td>
</tr>
<tr>
    <td>&nbsp;</td>
</tr>
<tr>
    <td>&nbsp;</td>
</tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>
<%
rs_category.Close()
Set rs_category = Nothing
%>

```

41. Keyword_Result.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
Dim rs_recordset__MMColParam
rs_recordset__MMColParam = "0"
If (Request.QueryString("keywords") <> "") Then
    rs_recordset__MMColParam = Request.QueryString("keywords")
End If
%>
<%
Dim rs_recordset
Dim rs_recordset_numRows

Set rs_recordset = Server.CreateObject("ADODB.Recordset")
rs_recordset.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_recordset.Source = "SELECT * FROM Subsection WHERE keywords LIKE
%" + Replace(rs_recordset__MMColParam, "'", "''") + "%"
rs_recordset.CursorType = 0
rs_recordset.CursorLocation = 2
rs_recordset.LockType = 1
rs_recordset.Open()

rs_recordset_numRows = 0
%>
<%
Dim Repeat1__numRows
Dim Repeat1__index

Repeat1__numRows = 2
Repeat1__index = 0
rs_recordset_numRows = rs_recordset_numRows + Repeat1__numRows
%>
<%
' *** Recordset Stats, Move To Record, and Go To Record: declare stats
variables

Dim rs_recordset_total
Dim rs_recordset_first
Dim rs_recordset_last

' set the record count
rs_recordset_total = rs_recordset.RecordCount
```

```

' set the number of rows displayed on this page
If (rs_recordset_numRows < 0) Then
    rs_recordset_numRows = rs_recordset_total
Elseif (rs_recordset_numRows = 0) Then
    rs_recordset_numRows = 1
End If

' set the first and last displayed record
rs_recordset_first = 1
rs_recordset_last = rs_recordset_first + rs_recordset_numRows - 1

' if we have the correct record count, check the other stats
If (rs_recordset_total <> -1) Then
    If (rs_recordset_first > rs_recordset_total) Then
        rs_recordset_first = rs_recordset_total
    End If
    If (rs_recordset_last > rs_recordset_total) Then
        rs_recordset_last = rs_recordset_total
    End If
    If (rs_recordset_numRows > rs_recordset_total) Then
        rs_recordset_numRows = rs_recordset_total
    End If
End If
%>
<%
' *** Recordset Stats: if we don't know the record count, manually count them

If (rs_recordset_total = -1) Then

    ' count the total records by iterating through the recordset
    rs_recordset_total=0
    While (Not rs_recordset.EOF)
        rs_recordset_total = rs_recordset_total + 1
        rs_recordset.MoveNext
    Wend

    ' reset the cursor to the beginning
    If (rs_recordset.CursorType > 0) Then
        rs_recordset.MoveFirst
    Else
        rs_recordset.Requery
    End If

    ' set the number of rows displayed on this page
    If (rs_recordset_numRows < 0 Or rs_recordset_numRows > rs_recordset_total)
Then

```

```

    rs_recordset_numRows = rs_recordset_total
End If

' set the first and last displayed record
rs_recordset_first = 1
rs_recordset_last = rs_recordset_first + rs_recordset_numRows - 1

If (rs_recordset_first > rs_recordset_total) Then
    rs_recordset_first = rs_recordset_total
End If
If (rs_recordset_last > rs_recordset_total) Then
    rs_recordset_last = rs_recordset_total
End If

End If
%>
<%
Dim MM_paramName
%>
<%
' *** Move To Record and Go To Record: declare variables

Dim MM_rs
Dim MM_rsCount
Dim MM_size
Dim MM_uniqueCol
Dim MM_offset
Dim MM_atTotal
Dim MM_paramIsDefined

Dim MM_param
Dim MM_index

Set MM_rs = rs_recordset
MM_rsCount = rs_recordset_total
MM_size = rs_recordset_numRows
MM_uniqueCol = ""
MM_paramName = ""
MM_offset = 0
MM_atTotal = false
MM_paramIsDefined = false
If (MM_paramName <> "") Then
    MM_paramIsDefined = (Request.QueryString(MM_paramName) <> "")
End If
%>
<%

```

```

' *** Move To Record: handle 'index' or 'offset' parameter

if (Not MM_paramIsDefined And MM_rsCount <> 0) then

    ' use index parameter if defined, otherwise use offset parameter
    MM_param = Request.QueryString("index")
    If (MM_param = "") Then
        MM_param = Request.QueryString("offset")
    End If
    If (MM_param <> "") Then
        MM_offset = Int(MM_param)
    End If

    ' if we have a record count, check if we are past the end of the recordset
    If (MM_rsCount <> -1) Then
        If (MM_offset >= MM_rsCount Or MM_offset = -1) Then ' past end or move
last
region
            If ((MM_rsCount Mod MM_size) > 0) Then          ' last page not a full repeat
                MM_offset = MM_rsCount - (MM_rsCount Mod MM_size)
            Else
                MM_offset = MM_rsCount - MM_size
            End If
        End If
    End If

    ' move the cursor to the selected record
    MM_index = 0
    While ((Not MM_rs.EOF) And (MM_index < MM_offset Or MM_offset = -1))
        MM_rs.MoveNext
        MM_index = MM_index + 1
    Wend
    If (MM_rs.EOF) Then
        MM_offset = MM_index ' set MM_offset to the last possible record
    End If

End If
%>
<%
' *** Move To Record: if we dont know the record count, check the display range

If (MM_rsCount = -1) Then

    ' walk to the end of the display range for this page
    MM_index = MM_offset

```

```

While (Not MM_rs.EOF And (MM_size < 0 Or MM_index < MM_offset +
MM_size))
    MM_rs.MoveNext
    MM_index = MM_index + 1
Wend

' if we walked off the end of the recordset, set MM_rsCount and MM_size
If (MM_rs.EOF) Then
    MM_rsCount = MM_index
    If (MM_size < 0 Or MM_size > MM_rsCount) Then
        MM_size = MM_rsCount
    End If
End If

' if we walked off the end, set the offset based on page size
If (MM_rs.EOF And Not MM_paramIsDefined) Then
    If (MM_offset > MM_rsCount - MM_size Or MM_offset = -1) Then
        If ((MM_rsCount Mod MM_size) > 0) Then
            MM_offset = MM_rsCount - (MM_rsCount Mod MM_size)
        Else
            MM_offset = MM_rsCount - MM_size
        End If
    End If
End If

' reset the cursor to the beginning
If (MM_rs.CursorType > 0) Then
    MM_rs.MoveFirst
Else
    MM_rs.Requery
End If

' move the cursor to the selected record
MM_index = 0
While (Not MM_rs.EOF And MM_index < MM_offset)
    MM_rs.MoveNext
    MM_index = MM_index + 1
Wend
End If
%>
<%
' *** Move To Record: update recordset stats

' set the first and last displayed record
rs_recordset_first = MM_offset + 1
rs_recordset_last = MM_offset + MM_size

```



```

If (MM_rsCount <> -1) Then
    If (rs_recordset_first > MM_rsCount) Then
        rs_recordset_first = MM_rsCount
    End If
    If (rs_recordset_last > MM_rsCount) Then
        rs_recordset_last = MM_rsCount
    End If
End If

' set the boolean used by hide region to check if we are on the last record
MM_atTotal = (MM_rsCount <> -1 And MM_offset + MM_size >=
MM_rsCount)
%>
<%
' *** Go To Record and Move To Record: create strings for maintaining URL and
Form parameters

Dim MM_keepNone
Dim MM_keepURL
Dim MM_keepForm
Dim MM_keepBoth

Dim MM_removeList
Dim MM_item
Dim MM_nextItem

' create the list of parameters which should not be maintained
MM_removeList = "&index="
If (MM_paramName <> "") Then
    MM_removeList = MM_removeList & "&" & MM_paramName & "="
End If

MM_keepURL=""
MM_keepForm=""
MM_keepBoth=""
MM_keepNone=""

' add the URL parameters to the MM_keepURL string
For Each MM_item In Request.QueryString
    MM_nextItem = "&" & MM_item & "="
    If (InStr(1,MM_removeList,MM_nextItem,1) = 0) Then
        MM_keepURL = MM_keepURL & MM_nextItem &
Server.URLEncode(Request.QueryString(MM_item))
    End If
Next

```

```

' add the Form variables to the MM_keepForm string
For Each MM_item In Request.Form
    MM_nextItem = "&" & MM_item & "="
    If (InStr(1,MM_removeList,MM_nextItem,1) = 0) Then
        MM_keepForm = MM_keepForm & MM_nextItem &
Server.URLEncode(Request.Form(MM_item))
    End If
Next

```

```

' create the Form + URL string and remove the initial '&' from each of the strings
MM_keepBoth = MM_keepURL & MM_keepForm
If (MM_keepBoth <> "") Then
    MM_keepBoth = Right(MM_keepBoth, Len(MM_keepBoth) - 1)
End If
If (MM_keepURL <> "") Then
    MM_keepURL = Right(MM_keepURL, Len(MM_keepURL) - 1)
End If
If (MM_keepForm <> "") Then
    MM_keepForm = Right(MM_keepForm, Len(MM_keepForm) - 1)
End If

```

' a utility function used for adding additional parameters to these strings

```
Function MM_joinChar(firstItem)
```

```
    If (firstItem <> "") Then
```

```
        MM_joinChar = "&"
```

```
    Else
```

```
        MM_joinChar = ""
```

```
    End If
```

```
End Function
```

```
%>
```

```
<%
```

' *** Move To Record: set the strings for the first, last, next, and previous links

```
Dim MM_keepMove
```

```
Dim MM_moveParam
```

```
Dim MM_moveFirst
```

```
Dim MM_moveLast
```

```
Dim MM_moveNext
```

```
Dim MM_movePrev
```

```
Dim MM_urlStr
```

```
Dim MM_paramList
```

```
Dim MM_paramIndex
```

```
Dim MM_nextParam
```

```

MM_keepMove = MM_keepBoth
MM_moveParam = "index"

' if the page has a repeated region, remove 'offset' from the maintained parameters
If (MM_size > 1) Then
    MM_moveParam = "offset"
    If (MM_keepMove <> "") Then
        MM_paramList = Split(MM_keepMove, "&")
        MM_keepMove = ""
        For MM_paramIndex = 0 To UBound(MM_paramList)
            MM_nextParam = Left(MM_paramList(MM_paramIndex),
InStr(MM_paramList(MM_paramIndex), "=") - 1)
            If (StrComp(MM_nextParam, MM_moveParam, 1) <> 0) Then
                MM_keepMove = MM_keepMove & "&" &
MM_paramList(MM_paramIndex)
            End If
        Next
        If (MM_keepMove <> "") Then
            MM_keepMove = Right(MM_keepMove, Len(MM_keepMove) - 1)
        End If
    End If
End If

' set the strings for the move to links
If (MM_keepMove <> "") Then
    MM_keepMove = Server.HTMLEncode(MM_keepMove) & "&"
End If

MM_urlStr = Request.ServerVariables("URL") & "?" & MM_keepMove &
MM_moveParam & "="

MM_moveFirst = MM_urlStr & "0"
MM_moveLast = MM_urlStr & "-1"
MM_moveNext = MM_urlStr & CStr(MM_offset + MM_size)
If (MM_offset - MM_size < 0) Then
    MM_movePrev = MM_urlStr & "0"
Else
    MM_movePrev = MM_urlStr & CStr(MM_offset - MM_size)
End If
%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Subsection Results</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />

```

```

<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
a:link {
    color: #CC3300;
}
a:visited {
    color: #CC3399;
}
a:hover {
    color: #000066;
}
a:active {
    color: #339933;
}
.style1 {
    color: #CC3300;
    font-weight: bold;
}
.style2 {
    color: #CC0000;
    font-weight: bold;
}
-->
</style></head>
<body>
<table width="95%" height="681" border="0" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
<tr>
<td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
</td>
</tr>
</table></td>
</tr>
<tr>
<td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
<tr>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">

```

```

        <param name="movie" value="button2.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed
            src="button2.swf"
            quality="high"
            pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Version=ShockwaveFlash"
            type="application/x-shockwave-flash"
            width="103" height="24"
            bgcolor="#DEDEBC"></embed>
    </object></td>
    <td
        width="14%"
        bgcolor="#DEDEBC"><object
            classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
            codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#version=5,0,0,0"
            name="Search"
            width="100" height="23" id="Search">
                <param name="movie" value="button1.swf" />
                <param name="quality" value="high" />
                <param name="bgcolor" value="#DEDEBC" />
                <embed
                    src="button1.swf"
                    width="100" height="23"
                    quality="high"
                    pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Version=ShockwaveFlash"
                    type="application/x-shockwave-flash"
                    bgcolor="#DEDEBC"
                    name="Search"></embed>
            </object></td>
    <td
        width="14%"
        bgcolor="#DEDEBC"><object
            classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
            codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#version=5,0,0,0"
            width="100" height="23">
                <param name="movie" value="button3.swf" />
                <param name="quality" value="high" />
                <param name="bgcolor" value="#DEDEBC" />
                <embed
                    src="button3.swf"
                    quality="high"
                    pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Version=ShockwaveFlash"
                    type="application/x-shockwave-flash"
                    width="100" height="23"
                    bgcolor="#DEDEBC"></embed>
            </object></td>
    <td
        width="14%"
        bgcolor="#DEDEBC"><object
            classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
            codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#version=5,0,0,0"
            width="100" height="23">
                <param name="movie" value="button4.swf" />
                <param name="quality" value="high" />
                <param name="bgcolor" value="#DEDEBC" />
                <embed
                    src="button4.swf"
                    quality="high"
                    pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Version=ShockwaveFlash"
                    type="application/x-shockwave-flash"
                    width="100" height="23"
                    bgcolor="#DEDEBC"></embed>
            </object></td>
    <td
        width="14%"
        bgcolor="#DEDEBC"><object
            classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"

```



```

Wend
%>

</div>
<p align="left">&nbsp;</p></td></tr>
<tr>
<td height="173">&nbsp;<br />
<p align="center">Navigate Result Pages: </p>
<table width="50%" border="1" align="center" cellpadding="3">
<tr>
<td width="23%" align="center">
<% If MM_offset <> 0 Then %>
<a href="<%=MM_moveFirst%>"></a>
<% End If ' end MM_offset <> 0 %>
</td>
<td width="31%" align="center">
<% If MM_offset <> 0 Then %>
<a href="<%=MM_movePrev%>"></a>
<% End If ' end MM_offset <> 0 %>
</td>
<td width="23%" align="center">
<% If Not MM_atTotal Then %>
<a href="<%=MM_moveNext%>"></a>
<% End If ' end Not MM_atTotal %>
</td>
<td width="23%" align="center">
<% If Not MM_atTotal Then %>
<a href="<%=MM_moveLast%>"></a>
<% End If ' end Not MM_atTotal %>
</td>
</tr>
</table></td>
</tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>
<%
rs_recordset.Close()
Set rs_recordset = Nothing

```

%>

42. login.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
' *** Validate request to log in to this site.
MM_LoginAction = Request.ServerVariables("URL")
If Request.QueryString <> "" Then MM_LoginAction = MM_LoginAction + "?" +
Server.URLEncode(Request.QueryString)
MM_valUsername=CStr(Request.Form("username"))
If MM_valUsername <> "" Then
    MM_fldUserAuthorization="userGroup"
    MM_redirectLoginSuccess="Home_Page.asp"
    MM_redirectLoginFailed="login_failed.asp"
    MM_flag="ADODB.Recordset"
    set MM_rsUser = Server.CreateObject(MM_flag)
    MM_rsUser.ActiveConnection = MM_conn_DistanceLearning_STRING
    MM_rsUser.Source = "SELECT userName, password"
    If MM_fldUserAuthorization <> "" Then MM_rsUser.Source =
MM_rsUser.Source & "," & MM_fldUserAuthorization
    MM_rsUser.Source = MM_rsUser.Source & " FROM User WHERE
userName=" & Replace(MM_valUsername,"'", "'") & " AND password=" &
Replace(Request.Form("password"),"'", "'") & ""
    MM_rsUser.CursorType = 0
    MM_rsUser.CursorLocation = 2
    MM_rsUser.LockType = 3
    MM_rsUser.Open
    If Not MM_rsUser.EOF Or Not MM_rsUser.BOF Then
        ' username and password match - this is a valid user
        Session("MM_Username") = MM_valUsername
        If (MM_fldUserAuthorization <> "") Then
            Session("MM_UserAuthorization") =
CStr(MM_rsUser.Fields.Item(MM_fldUserAuthorization).Value)
        Else
            Session("MM_UserAuthorization") = ""
        End If
        if CStr(Request.QueryString("accessdenied")) <> "" And true Then
            MM_redirectLoginSuccess = Request.QueryString("accessdenied")
        End If
        MM_rsUser.Close
        Response.Redirect(MM_redirectLoginSuccess)
    End If
End If
-->
```



```

MM_rsUser.Close
Response.Redirect(MM_redirectLoginFailed)
End If
%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Log In</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<script language="JavaScript" type="text/JavaScript">
<!--
function MM_findObj(n, d) { //v4.01
    var p,i,x;  if(!d) d=document; if((p=n.indexOf("?"))>0&&parent.frames.length)
{
    d=parent.frames[n.substring(p+1)].document; n=n.substring(0,p);}
    if(!(x=d[n])&&d.all)    x=d.all[n];    for    (i=0;!x&&i<d.forms.length;i++)
x=d.forms[i][n];
    for(i=0;!x&&d.layers&&i<d.layers.length;i++)
x=MM_findObj(n,d.layers[i].document);
    if(!x && d.getElementById) x=d.getElementById(n); return x;
}

function MM_validateForm() { //v4.0
    var i,p,q,nm,test,num,min,max,errors="",args=MM_validateForm.arguments;
    for (i=0; i<(args.length-2); i+=3) { test=args[i+2]; val=MM_findObj(args[i]);
        if (val) { nm=val.name; if ((val=val.value)!="") {
            if (test.indexOf('isEmail')!=-1) { p=val.indexOf('@');
                if (p<1 || p==(val.length-1)) errors+='- '+nm+' must contain an e-mail
address.\n';
            } else if (test!='R') { num = parseFloat(val);
                if (isNaN(val)) errors+='- '+nm+' must contain a number.\n';
                if (test.indexOf('inRange') != -1) { p=test.indexOf(':');
                    min=test.substring(8,p); max=test.substring(p+1);
                    if (num<min || max<num) errors+='- '+nm+' must contain a number
between '+min+' and '+max+'.\n';
                } } } else if (test.charAt(0) == 'R') errors += '- '+nm+' is required.\n'; }
        } if (errors) alert("The following error(s) occurred:\n"+errors);
        document.MM_returnValue = (errors == "");
    }
}
//-->
</script>
</head>
<body>

```

```

        <table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
        <tr>
        <td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
        <tr>
        <td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
        </td>
        </tr>
        </table></td>
        </tr>
        <tr>
        <td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
        <tr>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
        <param name="movie" value="button2.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button2.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
        </object></td>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
        <param name="movie" value="button1.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>
        </object></td>
        <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
        <param name="movie" value="button3.swf" />
        <param name="quality" value="high" />

```

```

        <param name="bgcolor" value="#DEDEBC" />
        <embed
            src="button3.swf"
            quality="high"
            pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Version=ShockwaveFlash"
            type="application/x-shockwave-flash"
            width="100" height="23"
            bgcolor="#DEDEBC"></embed>
    </object></td>
    <td
        width="14%"
        bgcolor="#DEDEBC"><object
            classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
            codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#version=5,0,0,0"
            width="100" height="23">
                <param name="movie" value="button4.swf" />
                <param name="quality" value="high" />
                <param name="bgcolor" value="#DEDEBC" />
                <embed
                    src="button4.swf"
                    quality="high"
                    pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Version=ShockwaveFlash"
                    type="application/x-shockwave-flash"
                    width="100" height="23"
                    bgcolor="#DEDEBC"></embed>
            </object></td>
    <td
        width="14%"
        bgcolor="#DEDEBC"><object
            classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
            codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#version=5,0,0,0"
            width="103" height="24">
                <param name="movie" value="button5.swf" />
                <param name="quality" value="high" />
                <param name="bgcolor" value="#DEDEBC" />
                <embed
                    src="button5.swf"
                    quality="high"
                    pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Version=ShockwaveFlash"
                    type="application/x-shockwave-flash"
                    width="103" height="24"
                    bgcolor="#DEDEBC"></embed>
            </object></td>
</tr>
</table></td>
</tr>
<tr>
<td><hr /> <h3 align="center"> Please Log In </h3>
    <hr /> </td>
</tr>
<tr>
<td><form
    name="frm_login"
    id="frm_login"
    method="POST"
    action="<%=MM_LoginAction%>"
    <table
        width="44%"
        border="1"
        align="center"
        cellpadding="3"
        cellspacing="0">
            <tr>
                <td width="40%">Enter Username: </td>
                <td width="60%"><input name="username" type="text" id="username"
/></td>

```

```

</tr>
<tr>
  <td>Enter Password: </td>
  <td><input name="password" type="password" id="password" /></td>
</tr>
<tr>
  <td>&nbsp;</td>
  <td><input
                                name="Submit"
                                type="submit"
onclick="MM_validateForm('username','R','password','R');return
document.MM_returnValue" value="Submit" /></td>
</tr>
</table>
</form> </td>
</tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>

```

43. login_failed.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%><!DOCTYPE html
PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Login Failed</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
a:link {
    color: #CC3300;
}
a:visited {
    color: #CC3399;
}
a:hover {
    color: #000099;
}
a:active {
    color: #339900;
}
-->
</style></head>
<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
<tr>
<td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
</td>
</tr>
</table></td>
</tr>
<tr>
<td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
```

```

<tr>
  <td          width="14%"          bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
  <param name="movie" value="button2.swf" />
  <param name="quality" value="high" />
  <param name="bgcolor" value="#DEDEBC" />
  <embed
  pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
  bgcolor="#DEDEBC"></embed>
  </object></td>
  <td          width="14%"          bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
  <param name="movie" value="button1.swf" />
  <param name="quality" value="high" />
  <param name="bgcolor" value="#DEDEBC" />
  <embed src="button1.swf" width="100" height="23" quality="high"
  pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
  name="Search"></embed>
  </object></td>
  <td          width="14%"          bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
  <param name="movie" value="button3.swf" />
  <param name="quality" value="high" />
  <param name="bgcolor" value="#DEDEBC" />
  <embed
  pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
  bgcolor="#DEDEBC"></embed>
  </object></td>
  <td          width="14%"          bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
  <param name="movie" value="button4.swf" />
  <param name="quality" value="high" />
  <param name="bgcolor" value="#DEDEBC" />
  <embed
  pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve

```

```

rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
</object></td>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
<param name="movie" value="button5.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />
<embed src="button5.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
</object></td>
</tr>
</table></td>
</tr>
<tr>
<td><hr /> <h3 align="center"> Login Failed </h3>
<hr /> </td>
</tr>
<tr>
<td><div align="center">
<p>Your username and password combination was not recognized. <a
href="login.asp">Try again</a>. </p>
</div></td>
</tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>

```

44. registration_failed.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%><!DOCTYPE html
PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Registration Failed</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
a:link {
    color: #CC3300;
}
a:visited {
    color: #CC3399;
}
a:hover {
    color: #000066;
}
a:active {
    color: #339900;
}
-->
</style></head>
<body>
<table width="95%" height="335" border="0" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
<tr>
<td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
</td>
</tr>
</table></td>
</tr>
<tr>
<td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
<tr>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
```



```

codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
    <param name="movie" value="button2.swf" />
    <param name="quality" value="high" />
    <param name="bgcolor" value="#DEDEBC" />
    <embed
        src="button2.swf"
        quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
</object></td>
<td
    width="14%"
    bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
    <param name="movie" value="button1.swf" />
    <param name="quality" value="high" />
    <param name="bgcolor" value="#DEDEBC" />
    <embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>
</object></td>
<td
    width="14%"
    bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
    <param name="movie" value="button3.swf" />
    <param name="quality" value="high" />
    <param name="bgcolor" value="#DEDEBC" />
    <embed
        src="button3.swf"
        quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
</object></td>
<td
    width="14%"
    bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
    <param name="movie" value="button4.swf" />
    <param name="quality" value="high" />
    <param name="bgcolor" value="#DEDEBC" />
    <embed
        src="button4.swf"
        quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
</object></td>

```

```
 <object classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000" codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver sion=5,0,0,0" width="103" height="24">     <param name="movie" value="button5.swf" />     <param name="quality" value="high" />     <param name="bgcolor" value="#DEDEBC" />     <embed src="button5.swf" quality="high" pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24" bgcolor="#DEDEBC"></embed>     </object></td> </tr> </table></td> </tr> <tr>   | |
```

45. Search.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%><!DOCTYPE html
PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Search Page</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
</head>
<body>
<table width="95%" height="372" border="0" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
<tr>
<td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
</td>
</tr>
</table></td>
</tr>
<tr>
<td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
<tr>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
<param name="movie" value="button2.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />
<embed src="button2.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
</object></td>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="103" height="24" id="Search">
<param name="movie" value="button1.swf" />
```

```

        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button1.swf" width="103" height="24" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>
    </object></td>
    <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
        <param name="movie" value="button3.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button3.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
    </object></td>
    <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
        <param name="movie" value="button4.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button4.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
    </object></td>
    <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
        <param name="movie" value="button5.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed src="button5.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
    </object></td>
</tr>
</table></td>
</tr>

```

```

<tr>
  <td height="79"><hr />
    <h3 align="center"> Search Page
  </h3>
  <hr /> </td></tr>
<tr>
  <td><form name="form1" id="form1" method="get"
action="Course_Request.asp?radiobutton">
    <table width="36%" border="1" align="center" cellpadding="3"
cellspacing="0">
      <tr>
        <td colspan="2"><div align="center">How do you want to search for
content? </div></td>
      </tr>
      <tr>
        <td width="11%"><div align="center">
          <input name="radiobutton" type="radio" value="0" checked="checked"
/>
          </div></td>
        <td width="89%"><strong>By Course</strong></td>
      </tr>
      <tr>
        <td><div align="center">
          <input name="radiobutton" type="radio" value="1" />
        </div></td>
        <td><strong>By Keywords</strong></td>
      </tr>
      <tr>
        <td colspan="2"><input name="Submit" type="submit" value="Submit"
/></td>
      </tr>
    </table>
  </form> </td>
</tr>
<tr>
  <td>&nbsp;</td>
</tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>

```

46. Subject_Request.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
Dim rs_subject__MMColParam
rs_subject__MMColParam = "1"
If (Request.Form("courseid") <> "") Then
    rs_subject__MMColParam = Request.Form("courseid")
End If
%>
<%
Dim rs_subject
Dim rs_subject_numRows

Set rs_subject = Server.CreateObject("ADODB.Recordset")
rs_subject.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_subject.Source = "SELECT subjectid, subjectName FROM Subject WHERE
courseid = " + Replace(rs_subject__MMColParam, "'", "''") + " ORDER BY
subjectName ASC"
rs_subject.CursorType = 0
rs_subject.CursorLocation = 2
rs_subject.LockType = 1
rs_subject.Open()

rs_subject_numRows = 0
%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Subject Request</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
</head>
<body>
<table width="95%" height="295" border="0" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
<tr>
<td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
</td>
```

```

        </tr>
    </table></td>
</tr>
<tr>
    <td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
        <tr>
            <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
                <param name="movie" value="button2.swf" />
                <param name="quality" value="high" />
                <param name="bgcolor" value="#DEDEBC" />
                <embed
                    src="button2.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
            </object></td>
            <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
                <param name="movie" value="button1.swf" />
                <param name="quality" value="high" />
                <param name="bgcolor" value="#DEDEBC" />
                <embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>
            </object></td>
            <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
                <param name="movie" value="button3.swf" />
                <param name="quality" value="high" />
                <param name="bgcolor" value="#DEDEBC" />
                <embed
                    src="button3.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
            </object></td>
            <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"

```

```

codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
    <param name="movie" value="button4.swf" />
    <param name="quality" value="high" />
    <param name="bgcolor" value="#DEDEBC" />
    <embed
        src="button4.swf"
        quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
    </object></td>
    <td
        width="14%"
        bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
    <param name="movie" value="button5.swf" />
    <param name="quality" value="high" />
    <param name="bgcolor" value="#DEDEBC" />
    <embed
        src="button5.swf"
        quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
    </object></td>
</tr>
</table></td>
</tr>
<tr>
    <td height="75"><hr />    <h3 align="center">    Subject Request</h3>
    <hr />
    </td>
</tr>
<tr>
    <td><form
        name="frmSubject"
        id="frmSubject"
        method="post"
action="Topic_Request.asp">
    <div align="center">Select Subject:
    <select name="subjectid" id="subjectid">
    <%
While (NOT rs_subject.EOF)
%>
        <option
value="<%=rs_subject.Fields.Item("subjectid").Value)%>"><%=rs_subject.Fields.Item
("subjectName").Value)%></option>
        <%
rs_subject.MoveNext()
Wend
If (rs_subject.CursorType > 0) Then
rs_subject.MoveFirst

```



```

Else
    rs_subject.Requery
End If
%>
        </select>
        <input type="submit" name="Submit" value="Submit" />
    </div>
</form></td>
</tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>
<%
rs_subject.Close()
Set rs_subject = Nothing
%>

```

47. Subsection_RequestNPS.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
Dim rs_topicSubsection__MMColParam
rs_topicSubsection__MMColParam = "0"
If (Request.Form("topicid") <> "") Then
    rs_topicSubsection__MMColParam = Request.Form("topicid")
End If
%>
<%
Dim rs_topicSubsection
Dim rs_topicSubsection_numRows

Set rs_topicSubsection = Server.CreateObject("ADODB.Recordset")
rs_topicSubsection.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_topicSubsection.Source      = "SELECT      Subsection.subsectionName,
Subsection.subsectionid      FROM      Subsection,Topic_Has_Subsections      WHERE
Subsection.subsectionid=Topic_Has_Subsections.subsectionid      AND
Topic_Has_Subsections.topicid = " + Replace(rs_topicSubsection__MMColParam, "",
"''") + " ORDER BY Subsection.subsectionName ASC"
rs_topicSubsection.CursorType = 0
rs_topicSubsection.CursorLocation = 2
rs_topicSubsection.LockType = 1
rs_topicSubsection.Open()

rs_topicSubsection_numRows = 0
%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Subsection Request NPS</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
</head>
<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
<tr>
```

```
  |
```

```
 <object classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000" codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver sion=5,0,0,0" width="100" height="23">     <param name="movie" value="button4.swf" />     <param name="quality" value="high" />     <param name="bgcolor" value="#DEDEBC" />     <embed src="button4.swf" quality="high" pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23" bgcolor="#DEDEBC"></embed> </object></td>  <object classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000" codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver sion=5,0,0,0" width="103" height="24">     <param name="movie" value="button5.swf" />     <param name="quality" value="high" />     <param name="bgcolor" value="#DEDEBC" />     <embed src="button5.swf" quality="high" pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24" bgcolor="#DEDEBC"></embed> </object></td> </tr> </table></td> </tr> <tr> <td><hr /> <h3 align="center"> Subsection Request </h3> <hr /> </td> </tr> <tr> <td> <form action="Subsection_Results.asp?subsectionid" method="get" enctype="multipart/form-data" name="frmSubsection" id="frmSubsection">     <div align="center">Select Subsection:     <select name="subsectionid" id="subsectionid"> <% While (NOT rs_topicSubsection.EOF) %>     <option value="<%=rs_topicSubsection.Fields.Item("subsectionid").Value%>"><%=rs_topicS ubsection.Fields.Item("subsectionName").Value%></option> <% rs_topicSubsection.MoveNext() Wend | |
```

```

If (rs_topicSubsection.CursorType > 0) Then
    rs_topicSubsection.MoveFirst
Else
    rs_topicSubsection.Requery
End If
%>
    </select>
    <input type="submit" name="Submit" value="Submit" />
    </div>
    </form></td></tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>
<%
rs_topicSubsection.Close()
Set rs_topicSubsection = Nothing
%>

```

48. Subsection_Results.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
Dim rs_graphic__MMColParam
rs_graphic__MMColParam = "0"
If (Request.QueryString("subsectionid") <> "") Then
    rs_graphic__MMColParam = Request.QueryString("subsectionid")
End If
%>
<%
Dim rs_graphic
Dim rs_graphic_numRows

Set rs_graphic = Server.CreateObject("ADODB.Recordset")
rs_graphic.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_graphic.Source = "SELECT Graphic.graphicid, Graphic.graphicName FROM
Graphic,Subsection_Has_Graphics WHERE
Graphic.graphicid=Subsection_Has_Graphics.graphicid AND
Subsection_Has_Graphics.subsectionid = " + Replace(rs_graphic__MMColParam, "'",
''''') + "'"
rs_graphic.CursorType = 0
rs_graphic.CursorLocation = 2
rs_graphic.LockType = 1
rs_graphic.Open()

rs_graphic_numRows = 0
%>
<%
Dim rs_subsection__MMColParam
rs_subsection__MMColParam = "0"
If (Request.Querysting("subsectionid") <> "") Then
    rs_subsection__MMColParam = Request.Querysting("subsectionid")
End If
%>
<%
Dim rs_subsection
Dim rs_subsection_numRows

Set rs_subsection = Server.CreateObject("ADODB.Recordset")
rs_subsection.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_subsection.Source = "SELECT * FROM Subsection WHERE subsectionid =
" + Replace(rs_subsection__MMColParam, "'", ''''') + "'"
rs_subsection.CursorType = 0
```

```

rs_subsection.CursorLocation = 2
rs_subsection.LockType = 1
rs_subsection.Open()

rs_subsection_numRows = 0
%>
<%
' *** Recordset Stats, Move To Record, and Go To Record: declare stats
variables

Dim rs_subsection_total
Dim rs_subsection_first
Dim rs_subsection_last

' set the record count
rs_subsection_total = rs_subsection.RecordCount

' set the number of rows displayed on this page
If (rs_subsection_numRows < 0) Then
    rs_subsection_numRows = rs_subsection_total
Elseif (rs_subsection_numRows = 0) Then
    rs_subsection_numRows = 1
End If

' set the first and last displayed record
rs_subsection_first = 1
rs_subsection_last = rs_subsection_first + rs_subsection_numRows - 1

' if we have the correct record count, check the other stats
If (rs_subsection_total <> -1) Then
    If (rs_subsection_first > rs_subsection_total) Then
        rs_subsection_first = rs_subsection_total
    End If
    If (rs_subsection_last > rs_subsection_total) Then
        rs_subsection_last = rs_subsection_total
    End If
    If (rs_subsection_numRows > rs_subsection_total) Then
        rs_subsection_numRows = rs_subsection_total
    End If
End If
%>
<%
' *** Recordset Stats: if we don't know the record count, manually count them

If (rs_subsection_total = -1) Then

```

```

' count the total records by iterating through the recordset
rs_subsection_total=0
While (Not rs_subsection.EOF)
    rs_subsection_total = rs_subsection_total + 1
    rs_subsection.MoveNext
Wend

' reset the cursor to the beginning
If (rs_subsection.CursorType > 0) Then
    rs_subsection.MoveFirst
Else
    rs_subsection.Requery
End If

' set the number of rows displayed on this page
If (rs_subsection_numRows < 0 Or rs_subsection_numRows >
rs_subsection_total) Then
    rs_subsection_numRows = rs_subsection_total
End If

' set the first and last displayed record
rs_subsection_first = 1
rs_subsection_last = rs_subsection_first + rs_subsection_numRows - 1

If (rs_subsection_first > rs_subsection_total) Then
    rs_subsection_first = rs_subsection_total
End If
If (rs_subsection_last > rs_subsection_total) Then
    rs_subsection_last = rs_subsection_total
End If

End If
%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Subsection Text</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
.style1 {
    color: #CC3300;
    font-weight: bold;
}

```



```

.style2 {color: #CC3300}
a:link {
    color: #CC3300;
}
a:visited {
    color: #CC3399;
}
a:hover {
    color: #000099;
}
a:active {
    color: #339900;
}
.style3 {
    color: #CC0000;
    font-weight: bold;
}
-->
</style>
</head>
<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
<tr>
<td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
</td>
</tr>
</table></td>
</tr>
<tr>
<td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
<tr>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
<param name="movie" value="button2.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />
<embed src="button2.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve

```

```

rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
</object></td>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
<param name="movie" value="button1.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />
<embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>
</object></td>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
<param name="movie" value="button3.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />
<embed src="button3.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
</object></td>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
<param name="movie" value="button4.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />
<embed src="button4.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
</object></td>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
<param name="movie" value="button5.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />

```

```

                <embed
                    src="button5.swf"
                    quality="high"
                    pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
                    rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
                    bgcolor="#DEDEBC"></embed>
            </object></td>
        </tr>
    </table></td>
</tr>
<tr>
    <td> <hr /> <h3 align="center"> Subsection Results</h3>
    <hr /> </td></tr>
<tr>
    <td><p
align="center"><strong><%=rs_subsection.Fields.Item("subsectionName").Value)%></
strong></p>
    <p align="left"><%=rs_subsection.Fields.Item("content").Value)%></p></td>
</tr>
<tr>
    <td><p>&nbsp;</p>
    <p>If you want to see an <span class="style1">Image</span> for this
    Subsection, select an Image from the list below:</p>
    <form name="frmImage" id="frmImage" method="get"
    action="Image_Result.asp?graphicid">
    <div align="center"><br />
    Select an <span class="style2">Image</span>:
    <select name="graphicid" id="graphicid">
    <%
    While (NOT rs_graphic.EOF)
    <%
    <option
    value="<%=rs_graphic.Fields.Item("graphicid").Value)%>"><%=rs_graphic.Fields.Ite
    m("graphicName").Value)%></option>
    <%
    rs_graphic.MoveNext()
    Wend
    If (rs_graphic.CursorType > 0) Then
    rs_graphic.MoveFirst
    Else
    rs_graphic.Requery
    End If
    <%
    </select>
    <input type="submit" name="Submit" value="Submit" />
    </div>
    </form>
    <p align="left">&nbsp;</p>

```

```

        <p align="left">If you want to see all <span
class="style1">Images</span> for this Subsection, click this link:&nbsp;&nbsp;&nbsp;<a
href="Image_Result_All_NPS.asp?subsectionid=<%=rs_subsection.Fields.Item("subsec
tionid").Value)%>">See All Images</a> </p></td>
    </tr>
</table>
<p>&nbsp;&nbsp;&nbsp;</p>
<p>&nbsp;&nbsp;&nbsp;</p>
</body>
</html>
<%
rs_graphic.Close()
Set rs_graphic = Nothing
%>
<%
rs_subsection.Close()
Set rs_subsection = Nothing
%>

```

49. Test1_Confirm.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
' *** Restrict Access To Page: Grant or deny access to this page
MM_authorizedUsers="admin,professor"
MM_authFailedURL="login.asp"
MM_grantAccess=false
If Session("MM_Username") <> "" Then
    If (false Or CStr(Session("MM_UserAuthorization"))="") Or _
        (InStr(1,MM_authorizedUsers,Session("MM_UserAuthorization"))>=1)
Then
    MM_grantAccess = true
    End If
End If
If Not MM_grantAccess Then
    MM_qsChar = "?"
    If (InStr(1,MM_authFailedURL,"?") >= 1) Then MM_qsChar = "&"
    MM_referrer = Request.ServerVariables("URL")
    if (Len(Request.QueryString()) > 0) Then MM_referrer = MM_referrer & "?" &
Request.QueryString()
    MM_authFailedURL = MM_authFailedURL & MM_qsChar & "accessdenied="
& Server.URLEncode(MM_referrer)
    Response.Redirect(MM_authFailedURL)
End If
%>
<%
' *** Edit Operations: declare variables

Dim MM_editAction
Dim MM_abortEdit
Dim MM_editQuery
Dim MM_editCmd

Dim MM_editConnection
Dim MM_editTable
Dim MM_editRedirectUrl
Dim MM_editColumn
Dim MM_recordId

Dim MM_fieldsStr
Dim MM_columnsStr
Dim MM_fields
Dim MM_columns
```

```

Dim MM_typeArray
Dim MM_formVal
Dim MM_delim
Dim MM_altVal
Dim MM_emptyVal
Dim MM_i

MM_editAction = CStr(Request.ServerVariables("SCRIPT_NAME"))
If (Request.QueryString <> "") Then
    MM_editAction = MM_editAction & "?" &
Server.HTMLEncode(Request.QueryString)
End If

' boolean to abort record edit
MM_abortEdit = false

' query string to execute
MM_editQuery = ""
%>
<%
' *** Insert Record: set variables

If (CStr(Request("MM_insert")) = "form1") Then

    MM_editConnection = MM_conn_DistanceLearning_STRING
    MM_editTable = "Topic_Has_Subsections"
    MM_editRedirectUrl = "Form_Subsection_Master.asp"
    MM_fieldsStr = "topicid|value|subsectionid|value"
    MM_columnsStr = "topicid|none,none,NULL|subsectionid|none,none,NULL"

    ' create the MM_fields and MM_columns arrays
    MM_fields = Split(MM_fieldsStr, "|")
    MM_columns = Split(MM_columnsStr, "|")

    ' set the form values
    For MM_i = LBound(MM_fields) To UBound(MM_fields) Step 2
        MM_fields(MM_i+1) = CStr(Request.Form(MM_fields(MM_i)))
    Next

    ' append the query string to the redirect URL
    If (MM_editRedirectUrl <> "" And Request.QueryString <> "") Then
        If (InStr(1, MM_editRedirectUrl, "?", vbTextCompare) = 0 And
Request.QueryString <> "") Then
            MM_editRedirectUrl = MM_editRedirectUrl & "?" & Request.QueryString
        Else
            MM_editRedirectUrl = MM_editRedirectUrl & "&" & Request.QueryString
        End If
    End If
End If

```

```

    End If
End If

End If
%>
<%
' *** Insert Record: construct a sql insert statement and execute it

Dim MM_tableValues
Dim MM_dbValues

If (CStr(Request("MM_insert")) <> "") Then

' create the sql insert statement
MM_tableValues = ""
MM_dbValues = ""
For MM_i = LBound(MM_fields) To UBound(MM_fields) Step 2
    MM_formVal = MM_fields(MM_i+1)
    MM_typeArray = Split(MM_columns(MM_i+1),",")
    MM_delim = MM_typeArray(0)
    If (MM_delim = "none") Then MM_delim = ""
    MM_altVal = MM_typeArray(1)
    If (MM_altVal = "none") Then MM_altVal = ""
    MM_emptyVal = MM_typeArray(2)
    If (MM_emptyVal = "none") Then MM_emptyVal = ""
    If (MM_formVal = "") Then
        MM_formVal = MM_emptyVal
    Else
        If (MM_altVal <> "") Then
            MM_formVal = MM_altVal
        ElseIf (MM_delim = "") Then ' escape quotes
            MM_formVal = "" & Replace(MM_formVal,"","") & ""
        Else
            MM_formVal = MM_delim + MM_formVal + MM_delim
        End If
    End If
End If
If (MM_i <> LBound(MM_fields)) Then
    MM_tableValues = MM_tableValues & ","
    MM_dbValues = MM_dbValues & ","
End If
MM_tableValues = MM_tableValues & MM_columns(MM_i)
MM_dbValues = MM_dbValues & MM_formVal
Next
MM_editQuery = "insert into " & MM_editTable & " (" & MM_tableValues &
") values (" & MM_dbValues & ")"

```

```

If (Not MM_abortEdit) Then
    ' execute the insert
    Set MM_editCmd = Server.CreateObject("ADODB.Command")
    MM_editCmd.ActiveConnection = MM_editConnection
    MM_editCmd.CommandText = MM_editQuery
    MM_editCmd.Execute
    MM_editCmd.ActiveConnection.Close

    If (MM_editRedirectUrl <> "") Then
        Response.Redirect(MM_editRedirectUrl)
    End If
End If

End If
%>
<%
Dim rs_max__MMColParam
rs_max__MMColParam = "izacharo"
If (Session("MM_UserName") <> "") Then
    rs_max__MMColParam = Session("MM_UserName")
End If
%>
<%
Dim rs_max
Dim rs_max_numRows

Set rs_max = Server.CreateObject("ADODB.Recordset")
rs_max.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_max.Source = "SELECT subsectionid FROM Subsection WHERE
subsectionid=(SELECT MAX(subsectionid) FROM Subsection WHERE author = '" +
Replace(rs_max__MMColParam, "'", "''") + "'"")
rs_max.CursorType = 0
rs_max.CursorLocation = 2
rs_max.LockType = 1
rs_max.Open()

rs_max_numRows = 0
%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Confirm</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">

```



```

<!--
a:link {
    color: #CC3300;
}
a:visited {
    color: #CC3399;
}
a:hover {
    color: #000066;
}
a:active {
    color: #339900;
}
.style1 {
    color: #FF0000;
    font-weight: bold;
}
-->
</style></head>
<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
<tr>
<td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
</td>
</tr>
</table></td>
</tr>
<tr>
<td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
<tr>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
<param name="movie" value="button2.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />
<embed src="button2.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve

```

```

rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
</object></td>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
<param name="movie" value="button1.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />
<embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>
</object></td>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
<param name="movie" value="button3.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />
<embed src="button3.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
</object></td>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
<param name="movie" value="button4.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />
<embed src="button4.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
</object></td>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
<param name="movie" value="button5.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />

```

```

                <embed
                    src="button5.swf"
                    quality="high"
                    pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
                    rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
                    bgcolor="#DEDEBC"></embed>
            </object></td>
        </tr>
    </table></td>
</tr>
<tr>
    <td><hr /> <h3 align="center"> Confirm Subsection Insertion </h3>
        <hr /> <form name="form1" id="form1" method="POST"
action="<%=MM_editAction%>">
            <table width="51%" border="1" align="center" cellpadding="3"
cellspacing="0">
                <tr>
                    <td width="80%"><input name="topicid" type="hidden" id="topicid"
value="<%= Request.QueryString("topicid") %>" />
                        <input name="subsectionid" type="hidden" id="subsectionid"
value="<%= (rs_max.Fields.Item("subsectionid").Value)%>" />
                        ***<span class="style1">Please Confirm Your Subsection
Insertion</span> ***</td>
                        <td width="20%"><input type="submit" name="Submit"
value="Confirm" /></td>
                    </tr>
                </table>

                <input type="hidden" name="MM_insert" value="form1">
            </form>
            <p>&nbsp;</p>
            <p align="left">&nbsp;</p></td>
        </tr>
    </tr>
    <td>&nbsp;</td>
</tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>
<%
rs_max.Close()
Set rs_max = Nothing
%>

```

50. Template.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%><!DOCTYPE html
PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Template</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
a:link {
    color: #CC3300;
}
a:visited {
    color: #CC3399;
}
a:hover {
    color: #000066;
}
a:active {
    color: #339900;
}
-->
</style></head>
<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
<tr>
<td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
</td>
</tr>
</table></td>
</tr>
<tr>
<td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
<tr>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
```

```

codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
    <param name="movie" value="button2.swf" />
    <param name="quality" value="high" />
    <param name="bgcolor" value="#DEDEBC" />
    <embed
        src="button2.swf"
        quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
</object></td>
<td
    width="14%"
    bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
    <param name="movie" value="button1.swf" />
    <param name="quality" value="high" />
    <param name="bgcolor" value="#DEDEBC" />
    <embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>
</object></td>
<td
    width="14%"
    bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
    <param name="movie" value="button3.swf" />
    <param name="quality" value="high" />
    <param name="bgcolor" value="#DEDEBC" />
    <embed
        src="button3.swf"
        quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
</object></td>
<td
    width="14%"
    bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
    <param name="movie" value="button4.swf" />
    <param name="quality" value="high" />
    <param name="bgcolor" value="#DEDEBC" />
    <embed
        src="button4.swf"
        quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
</object></td>

```

```
 <object classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000" codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver sion=5,0,0,0" width="103" height="24">     <param name="movie" value="button5.swf" />     <param name="quality" value="high" />     <param name="bgcolor" value="#DEDEBC" />     <embed src="button5.swf" quality="high" pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24" bgcolor="#DEDEBC"></embed> </object></td> </tr> </table></td> </tr> <tr> <td><hr /> <h3 align="center"> Header goes here </h3> <hr /> <form name="form1" id="form1" method="post" action="">     <table width="95%" border="1" cellspacing="0" cellpadding="3">         <tr>             <td>&nbsp;</td>             <td>&nbsp;</td>         </tr>         <tr>             <td>&nbsp;</td>             <td>&nbsp;</td>         </tr>         <tr>             <td>&nbsp;</td>             <td>&nbsp;</td>         </tr>         <tr>             <td>&nbsp;</td>             <td>&nbsp;</td>         </tr>         <tr>             <td>&nbsp;</td>             <td>&nbsp;</td>         </tr>         <tr>             <td>&nbsp;</td>             <td>&nbsp;</td>         </tr>     </table> </form> <p align="left">&nbsp;</p></td> </tr> <tr>     <td>&nbsp;</td> </tr> </table> <p>&nbsp;</p> <p>&nbsp;</p> </body> </html> |
```

51. Test_Form_Update_Subsection.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
' *** Restrict Access To Page: Grant or deny access to this page
MM_authorizedUsers="admin,professor"
MM_authFailedURL="login.asp"
MM_grantAccess=false
If Session("MM_Username") <> "" Then
    If (false Or CStr(Session("MM_UserAuthorization"))="") Or _
        (InStr(1,MM_authorizedUsers,Session("MM_UserAuthorization"))>=1)
Then
    MM_grantAccess = true
    End If
End If
If Not MM_grantAccess Then
    MM_qsChar = "?"
    If (InStr(1,MM_authFailedURL,"?") >= 1) Then MM_qsChar = "&"
    MM_referrer = Request.ServerVariables("URL")
    if (Len(Request.QueryString()) > 0) Then MM_referrer = MM_referrer & "?" &
Request.QueryString()
    MM_authFailedURL = MM_authFailedURL & MM_qsChar & "accessdenied="
& Server.URLEncode(MM_referrer)
    Response.Redirect(MM_authFailedURL)
End If
%>
<%
' *** Edit Operations: declare variables

Dim MM_editAction
Dim MM_abortEdit
Dim MM_editQuery
Dim MM_editCmd

Dim MM_editConnection
Dim MM_editTable
Dim MM_editRedirectUrl
Dim MM_editColumn
Dim MM_recordId

Dim MM_fieldsStr
Dim MM_columnsStr
Dim MM_fields
Dim MM_columns
```

```

Dim MM_typeArray
Dim MM_formVal
Dim MM_delim
Dim MM_altVal
Dim MM_emptyVal
Dim MM_i

MM_editAction = CStr(Request.ServerVariables("SCRIPT_NAME"))
If (Request.QueryString <> "") Then
    MM_editAction = MM_editAction & "?" &
Server.HTMLEncode(Request.QueryString)
End If

' boolean to abort record edit
MM_abortEdit = false

' query string to execute
MM_editQuery = ""
%>
<%
' *** Update Record: set variables

If (CStr(Request("MM_update")) = "form1" And CStr(Request("MM_recordId"))
<> "") Then

    MM_editConnection = MM_conn_DistanceLearning_STRING
    MM_editTable = "Subsection"
    MM_editColumn = "subsectionid"
    MM_recordId = "" + Request.Form("MM_recordId") + ""
    MM_editRedirectUrl = "Form_Subsection_Master.asp"
    MM_fieldsStr =
"subsectionName|value|description|value|Content|value|keywords|value|author|value"
    MM_columnsStr =
"subsectionName|',none,'|subsectionDescription|',none,'|content|',none,'|keywords|',none,'
|author|',none,'"

    ' create the MM_fields and MM_columns arrays
    MM_fields = Split(MM_fieldsStr, "|")
    MM_columns = Split(MM_columnsStr, "|")

    ' set the form values
    For MM_i = LBound(MM_fields) To UBound(MM_fields) Step 2
        MM_fields(MM_i+1) = CStr(Request.Form(MM_fields(MM_i)))
    Next

    ' append the query string to the redirect URL

```



```

        If (MM_editRedirectUrl <> "" And Request.QueryString <> "") Then
            If (InStr(1, MM_editRedirectUrl, "?", vbTextCompare) = 0 And
Request.QueryString <> "") Then
                MM_editRedirectUrl = MM_editRedirectUrl & "?" & Request.QueryString
            Else
                MM_editRedirectUrl = MM_editRedirectUrl & "&" & Request.QueryString
            End If
        End If

    End If
%>
<%
' *** Update Record: construct a sql update statement and execute it

    If (CStr(Request("MM_update")) <> "" And CStr(Request("MM_recordId")) <>
"") Then

        ' create the sql update statement
        MM_editQuery = "update " & MM_editTable & " set "
        For MM_i = LBound(MM_fields) To UBound(MM_fields) Step 2
            MM_formVal = MM_fields(MM_i+1)
            MM_typeArray = Split(MM_columns(MM_i+1),",")
            MM_delim = MM_typeArray(0)
            If (MM_delim = "none") Then MM_delim = ""
            MM_altVal = MM_typeArray(1)
            If (MM_altVal = "none") Then MM_altVal = ""
            MM_emptyVal = MM_typeArray(2)
            If (MM_emptyVal = "none") Then MM_emptyVal = ""
            If (MM_formVal = "") Then
                MM_formVal = MM_emptyVal
            Else
                If (MM_altVal <> "") Then
                    MM_formVal = MM_altVal
                ElseIf (MM_delim = "") Then ' escape quotes
                    MM_formVal = "" & Replace(MM_formVal,"","'") & ""
                Else
                    MM_formVal = MM_delim + MM_formVal + MM_delim
                End If
            End If
            If (MM_i <> LBound(MM_fields)) Then
                MM_editQuery = MM_editQuery & ","
            End If
            MM_editQuery = MM_editQuery & MM_columns(MM_i) & " = " &
MM_formVal
        Next

```

```
MM_editQuery = MM_editQuery & " where " & MM_editColumn & " = " & MM_recordId
```

```

If (Not MM_abortEdit) Then
    ' execute the update
    Set MM_editCmd = Server.CreateObject("ADODB.Command")
    MM_editCmd.ActiveConnection = MM_editConnection
    MM_editCmd.CommandText = MM_editQuery
    MM_editCmd.Execute
    MM_editCmd.ActiveConnection.Close

```

```

If (MM_editRedirectUrl <> "") Then
    Response.Redirect(MM_editRedirectUrl)
End If
End If

```

```
End If
```

```
%>
```

```
<%
```

```
Dim rs_subsection__MMColParam
```

```
rs_subsection__MMColParam = "1"
```

```
If (Request.QueryString("subsectionid") <> "") Then
```

```
    rs_subsection__MMColParam = Request.QueryString("subsectionid")
```

```
End If
```

```
%>
```

```
<%
```

```
Dim rs_subsection
```

```
Dim rs_subsection_numRows
```

```
Set rs_subsection = Server.CreateObject("ADODB.Recordset")
```

```
rs_subsection.ActiveConnection = MM_conn_DistanceLearning_STRING
```

```
rs_subsection.Source = "SELECT * FROM Subsection WHERE subsectionid = "
```

```
+ Replace(rs_subsection__MMColParam, "", "", "") + ""
```

```
rs_subsection.CursorType = 0
```

```
rs_subsection.CursorLocation = 2
```

```
rs_subsection.LockType = 1
```

```
rs_subsection.Open()
```

```
rs_subsection_numRows = 0
```

```
%>
```

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
```

```
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
```

```
<head>
```

```
<title>Distance Learning: Update Subsection</title>
```

```
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
```

```

<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
a:link {
    color: #CC3300;
}
a:visited {
    color: #CC3399;
}
a:hover {
    color: #000066;
}
a:active {
    color: #339900;
}
-->
</style>
<script language="JavaScript" type="text/JavaScript">
<!--
function MM_findObj(n, d) { //v4.01
    var p,i,x;  if(!d) d=document; if((p=n.indexOf("?"))>0&&parent.frames.length)
{
    d=parent.frames[n.substring(p+1)].document; n=n.substring(0,p);}
    if(!(x=d[n])&&d.all)    x=d.all[n];    for    (i=0;!x&&i<d.forms.length;i++)
x=d.forms[i][n];
    for(i=0;!x&&d.layers&&i<d.layers.length;i++)
x=MM_findObj(n,d.layers[i].document);
    if(!x && d.getElementById) x=d.getElementById(n); return x;
}

function MM_validateForm() { //v4.0
    var i,p,q,nm,test,num,min,max,errors="",args=MM_validateForm.arguments;
    for (i=0; i<(args.length-2); i+=3) { test=args[i+2]; val=MM_findObj(args[i]);
    if (val) { nm=val.name; if ((val=val.value)!="") {
        if (test.indexOf('isEmail')!=-1) { p=val.indexOf('@');
            if (p<1 || p==(val.length-1)) errors+='- '+nm+' must contain an e-mail
address.\n';
        } else if (test!='R') { num = parseFloat(val);
            if (isNaN(val)) errors+='- '+nm+' must contain a number.\n';
            if (test.indexOf('inRange') != -1) { p=test.indexOf(':');
                min=test.substring(8,p); max=test.substring(p+1);
                if (num<min || max<num) errors+='- '+nm+' must contain a number
between '+min+' and '+max+'.\n';
            } } } else if (test.charAt(0) == 'R') errors += '- '+nm+' is required.\n'; }
    } if (errors) alert('The following error(s) occurred:\n'+errors);
    document.MM_returnValue = (errors == "");
}

```

```

    }
    //-->
</script>
</head>
<body>
    <table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
        <tr>
            <td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
                <tr>
                    <td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
                </td>
            </tr>
        </table></td>
    </tr>
    <tr>
        <td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
            <tr>
                <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
                    <param name="movie" value="button2.swf" />
                    <param name="quality" value="high" />
                    <param name="bgcolor" value="#DEDEBC" />
                    <embed
src="button2.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
                </object></td>
                <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
                    <param name="movie" value="button1.swf" />
                    <param name="quality" value="high" />
                    <param name="bgcolor" value="#DEDEBC" />
                    <embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>
                </object></td>
            </tr>
        </table>
    </td>
    </tr>
</table>

```

```
 <object classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000" codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver sion=5,0,0,0" width="100" height="23">     <param name="movie" value="button3.swf" />     <param name="quality" value="high" />     <param name="bgcolor" value="#DEDEBC" />     <embed src="button3.swf" quality="high" pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23" bgcolor="#DEDEBC"></embed> </object></td>  <object classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000" codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver sion=5,0,0,0" width="100" height="23">     <param name="movie" value="button4.swf" />     <param name="quality" value="high" />     <param name="bgcolor" value="#DEDEBC" />     <embed src="button4.swf" quality="high" pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23" bgcolor="#DEDEBC"></embed> </object></td>  <object classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000" codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver sion=5,0,0,0" width="103" height="24">     <param name="movie" value="button5.swf" />     <param name="quality" value="high" />     <param name="bgcolor" value="#DEDEBC" />     <embed src="button5.swf" quality="high" pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24" bgcolor="#DEDEBC"></embed> </object></td> </tr> </table></td> </tr> <tr>  <hr /> | <h3 align="center"> Update Subsection Record & Content </h3> <hr /> <form ACTION="<%=MM_editAction%>" METHOD="POST" name="form1" id="form1"> | | | |
```

```

        <table width="95%" border="1" align="center" cellpadding="3"
cellspacing="0">
        <tr>
        <td width="30%">Subsection Name </td>
        <td width="70%"><input name="subsectionName" type="text"
id="subsectionName"
value="<%=rs_subsection.Fields.Item("subsectionName").Value)%>" /></td>
        </tr>
        <tr>
        <td>Subsection Description </td>
        <td><textarea name="description" cols="60" rows="5"
id="description"><%=rs_subsection.Fields.Item("subsectionDescription").Value)%></te
xtarea></td>
        </tr>
        <tr>
        <td>Content</td>
        <td><textarea name="Content" cols="60" rows="15"
id="Content"><%=rs_subsection.Fields.Item("content").Value)%></textarea></td>
        </tr>
        <tr>
        <td>Keywords</td>
        <td><textarea name="keywords" cols="60" rows="5"
id="keywords"><%=rs_subsection.Fields.Item("keywords").Value)%></textarea></td>
        </tr>
        <tr>
        <td><input name="author" type="hidden" id="author" value="<%=
Session("MM_Username") %>" />
        <input name="topicid" type="hidden" id="topicid" value="<%=
Request.QueryString("topicid") %>" /></td>
        <td><input name="Submit" type="submit"
onclick="MM_validateForm('subsectionName','R','description','R','Content','R','keyw
ords','R');return document.MM_returnValue" value="Submit" /></td>
        </tr>
        </table>
        <input type="hidden" name="MM_update" value="form1">
        <input type="hidden" name="MM_recordId" value="<%=
rs_subsection.Fields.Item("subsectionid").Value %>">
        </form> <p align="left">&nbsp;</p></td>
    </tr>
    <tr>
    <td>&nbsp;</td>
    </tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>

```

```

</html>
<%
rs_subsection.Close()
Set rs_subsection = Nothing
%>

```

52. Topic_Request.asp

```

<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
Dim rs_topic__MMColParam
rs_topic__MMColParam = "1"
If (Request.Form("subjectid") <> "") Then
    rs_topic__MMColParam = Request.Form("subjectid")
End If
%>
<%
Dim rs_topic
Dim rs_topic_numRows

Set rs_topic = Server.CreateObject("ADODB.Recordset")
rs_topic.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_topic.Source = "SELECT topicid, topicName FROM Topic WHERE subjectid
= " + Replace(rs_topic__MMColParam, "'", "''") + " ORDER BY topicName ASC"
rs_topic.CursorType = 0
rs_topic.CursorLocation = 2
rs_topic.LockType = 1
rs_topic.Open()

rs_topic_numRows = 0
%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Topic Request</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--

```

```

.style1 {color: #000099}
.style2 {color: #3333FF}
-->
</style>
</head>
<body>
<table width="95%" height="353" border="0" align="center" cellpadding="3"
cellspacing="0">
<tr>
<td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
<tr>
<td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
</td>
</tr>
</table></td>
</tr>
<tr>
<td height="46"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
<tr>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
<param name="movie" value="button2.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />
<embed src="button2.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
</object></td>
<td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
<param name="movie" value="button1.swf" />
<param name="quality" value="high" />
<param name="bgcolor" value="#DEDEBC" />
<embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>
</object></td>

```



```

        <div align="center">
            Select Topic:
            <select name="topicid" id="topicid">
                <%
While (NOT rs_topic.EOF)
%>
                <option
value="<%=rs_topic.Fields.Item("topicid").Value%>"><%=rs_topic.Fields.Item("topicName").Value%></option>
                <%
                rs_topic.MoveNext()
Wend
If (rs_topic.CursorType > 0) Then
    rs_topic.MoveFirst
Else
    rs_topic.Requery
End If
%>
            </select>
            <input type="submit" name="Submit" value="Search" />
        </div>
    </form></td>
</tr>
</table>
</body>
</html>
<%
rs_topic.Close()
Set rs_topic = Nothing
%>

```

53. User_Input_Form.asp

```
<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>
<!--#include file="Connections/conn_DistanceLearning.asp" -->
<%
' *** Restrict Access To Page: Grant or deny access to this page
MM_authorizedUsers="admin"
MM_authFailedURL="login.asp"
MM_grantAccess=false
If Session("MM_Username") <> "" Then
    If (false Or CStr(Session("MM_UserAuthorization"))="") Or _
        (InStr(1,MM_authorizedUsers,Session("MM_UserAuthorization"))>=1)
Then
    MM_grantAccess = true
End If
End If
If Not MM_grantAccess Then
    MM_qsChar = "?"
    If (InStr(1,MM_authFailedURL,"?") >= 1) Then MM_qsChar = "&"
    MM_referrer = Request.ServerVariables("URL")
    if (Len(Request.QueryString()) > 0) Then MM_referrer = MM_referrer & "?" &
Request.QueryString()
    MM_authFailedURL = MM_authFailedURL & MM_qsChar & "accessdenied="
& Server.URLEncode(MM_referrer)
    Response.Redirect(MM_authFailedURL)
End If
%>
<%
' *** Edit Operations: declare variables

Dim MM_editAction
Dim MM_abortEdit
Dim MM_editQuery
Dim MM_editCmd

Dim MM_editConnection
Dim MM_editTable
Dim MM_editRedirectUrl
Dim MM_editColumn
Dim MM_recordId

Dim MM_fieldsStr
Dim MM_columnsStr
Dim MM_fields
Dim MM_columns
```

```

Dim MM_typeArray
Dim MM_formVal
Dim MM_delim
Dim MM_altVal
Dim MM_emptyVal
Dim MM_i

MM_editAction = CStr(Request.ServerVariables("SCRIPT_NAME"))
If (Request.QueryString <> "") Then
    MM_editAction = MM_editAction & "?" &
Server.HTMLEncode(Request.QueryString)
End If

' boolean to abort record edit
MM_abortEdit = false

' query string to execute
MM_editQuery = ""
%>
<%
' *** Redirect if username exists
MM_flag="MM_insert"
If (CStr(Request(MM_flag)) <> "") Then
    MM_dupKeyRedirect="registration_failed.asp"
    MM_rsKeyConnection=MM_conn_DistanceLearning_STRING
    MM_dupKeyUsernameValue = CStr(Request.Form("userName"))
    MM_dupKeySQL="SELECT userName FROM User WHERE userName=" &
MM_dupKeyUsernameValue & ""
    MM_adodbRecordset="ADODB.Recordset"
    set MM_rsKey=Server.CreateObject(MM_adodbRecordset)
    MM_rsKey.ActiveConnection=MM_rsKeyConnection
    MM_rsKey.Source=MM_dupKeySQL
    MM_rsKey.CursorType=0
    MM_rsKey.CursorLocation=2
    MM_rsKey.LockType=3
    MM_rsKey.Open
    If Not MM_rsKey.EOF Or Not MM_rsKey.BOF Then
        ' the username was found - can not add the requested username
        MM_qsChar = "?"
        If (InStr(1,MM_dupKeyRedirect,"?") >= 1) Then MM_qsChar = "&"
        MM_dupKeyRedirect = MM_dupKeyRedirect & MM_qsChar &
"reusername=" & MM_dupKeyUsernameValue
        Response.Redirect(MM_dupKeyRedirect)
    End If
    MM_rsKey.Close
End If

```

```

%>
<%
' *** Insert Record: set variables

If (CStr(Request("MM_insert")) = "frmUser") Then

    MM_editConnection = MM_conn_DistanceLearning_STRING
    MM_editTable = "User"
    MM_editRedirectUrl = "Form_Master_User.asp"
    MM_fieldsStr =
"firstname|value|lastname|value|offPhone|value|offRoom|value|email|value|userName|val
ue|password|value|userGroup|value"
    MM_columnsStr =
"firstName|',none,'|lastName|',none,'|officephone|',none,'|officeRoom|',none,'|email|',non
e,'|userName|',none,'|password|',none,'|userGroup|',none,'"

    ' create the MM_fields and MM_columns arrays
    MM_fields = Split(MM_fieldsStr, "|")
    MM_columns = Split(MM_columnsStr, "|")

    ' set the form values
    For MM_i = LBound(MM_fields) To UBound(MM_fields) Step 2
        MM_fields(MM_i+1) = CStr(Request.Form(MM_fields(MM_i)))
    Next

    ' append the query string to the redirect URL
    If (MM_editRedirectUrl <> "" And Request.QueryString <> "") Then
        If (InStr(1, MM_editRedirectUrl, "?", vbTextCompare) = 0 And
Request.QueryString <> "") Then
            MM_editRedirectUrl = MM_editRedirectUrl & "?" & Request.QueryString
        Else
            MM_editRedirectUrl = MM_editRedirectUrl & "&" & Request.QueryString
        End If
    End If

End If
%>
<%
' *** Insert Record: construct a sql insert statement and execute it

Dim MM_tableValues
Dim MM_dbValues

If (CStr(Request("MM_insert")) <> "") Then

    ' create the sql insert statement

```

```

MM_tableValues = ""
MM_dbValues = ""
For MM_i = LBound(MM_fields) To UBound(MM_fields) Step 2
    MM_formVal = MM_fields(MM_i+1)
    MM_typeArray = Split(MM_columns(MM_i+1),",")
    MM_delim = MM_typeArray(0)
    If (MM_delim = "none") Then MM_delim = ""
    MM_altVal = MM_typeArray(1)
    If (MM_altVal = "none") Then MM_altVal = ""
    MM_emptyVal = MM_typeArray(2)
    If (MM_emptyVal = "none") Then MM_emptyVal = ""
    If (MM_formVal = "") Then
        MM_formVal = MM_emptyVal
    Else
        If (MM_altVal <> "") Then
            MM_formVal = MM_altVal
        ElseIf (MM_delim = "") Then ' escape quotes
            MM_formVal = "" & Replace(MM_formVal,"","") & ""
        Else
            MM_formVal = MM_delim + MM_formVal + MM_delim
        End If
    End If
    If (MM_i <> LBound(MM_fields)) Then
        MM_tableValues = MM_tableValues & ","
        MM_dbValues = MM_dbValues & ","
    End If
    MM_tableValues = MM_tableValues & MM_columns(MM_i)
    MM_dbValues = MM_dbValues & MM_formVal
Next
MM_editQuery = "insert into " & MM_editTable & " (" & MM_tableValues &
") values (" & MM_dbValues & ")"

If (Not MM_abortEdit) Then
    ' execute the insert
    Set MM_editCmd = Server.CreateObject("ADODB.Command")
    MM_editCmd.ActiveConnection = MM_editConnection
    MM_editCmd.CommandText = MM_editQuery
    MM_editCmd.Execute
    MM_editCmd.ActiveConnection.Close

    If (MM_editRedirectUrl <> "") Then
        Response.Redirect(MM_editRedirectUrl)
    End If
End If

End If

```

```

%>
<%
Dim rs_welcome__MMColParam
rs_welcome__MMColParam = "1"
If (Session("MM_Username") <> "") Then
    rs_welcome__MMColParam = Session("MM_Username")
End If
%>
<%
Dim rs_welcome
Dim rs_welcome_numRows

Set rs_welcome = Server.CreateObject("ADODB.Recordset")
rs_welcome.ActiveConnection = MM_conn_DistanceLearning_STRING
rs_welcome.Source = "SELECT firstName FROM User WHERE userName = "
+ Replace(rs_welcome__MMColParam, "", "") + ""
rs_welcome.CursorType = 0
rs_welcome.CursorLocation = 2
rs_welcome.LockType = 1
rs_welcome.Open()

rs_welcome_numRows = 0
%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Distance Learning: Registration Form</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<link href="DLStylesheet.css" rel="stylesheet" type="text/css" />
<style type="text/css">
<!--
a:link {
    color: #CC3300;
}
a:visited {
    color: #CC3399;
}
a:hover {
    color: #000066;
}
a:active {
    color: #339900;
}
.style1 {color: #FF0000}
.style2 {color: #3300CC}

```

```

-->
</style>
<script language="JavaScript" type="text/JavaScript">
<!--
function MM_findObj(n, d) { //v4.01
    var p,i,x;  if(!d) d=document; if((p=n.indexOf("?"))>0&&parent.frames.length)
{
    d=parent.frames[n.substring(p+1)].document; n=n.substring(0,p);}
    if(!(x=d[n])&&d.all)    x=d.all[n];    for    (i=0;!x&&i<d.forms.length;i++)
x=d.forms[i][n];
    for(i=0;!x&&d.layers&&i<d.layers.length;i++)
x=MM_findObj(n,d.layers[i].document);
    if(!x && d.getElementById) x=d.getElementById(n); return x;
}

function MM_validateForm() { //v4.0
    var i,p,q,nm,test,num,min,max,errors="",args=MM_validateForm.arguments;
    for (i=0; i<(args.length-2); i+=3) { test=args[i+2]; val=MM_findObj(args[i]);
        if (val) { nm=val.name; if ((val=val.value)!="") {
            if (test.indexOf('isEmail')!=-1) { p=val.indexOf('@');
                if (p<1 || p==(val.length-1)) errors+="- "+nm+" must contain an e-mail
address.\n";
            } else if (test!='R') { num = parseFloat(val);
                if (isNaN(val)) errors+="- "+nm+" must contain a number.\n";
                if (test.indexOf('inRange') != -1) { p=test.indexOf(':');
                    min=test.substring(8,p); max=test.substring(p+1);
                    if (num<min || max<num) errors+="- "+nm+" must contain a number
between '+min+' and '+max+'.\n";
                } } } else if (test.charAt(0) == 'R') errors += "- "+nm+" is required.\n"; }
        } if (errors) alert("The following error(s) occurred:\n"+errors);
        document.MM_returnValue = (errors == "");
    }
}
//-->
</script>
</head>
<body>
<table width="95%" height="214" border="0" align="center" cellpadding="3"
cellspacing="0">
    <tr>
        <td height="109"><table width="100%" border="0" align="left"
cellpadding="3" cellspacing="0" bgcolor="#DEDEBC">
            <tr>
                <td width="88%" align="center" valign="middle"
bgcolor="#DEDEBC">
            </td>
        </tr>
    </tr>

```



```

        </table></td>
    </tr>
    <tr>
        <td height="50"><table width="72%" border="0" align="center"
cellpadding="3" cellspacing="0" bordercolor="#F6F6F3">
            <tr>
                <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="103" height="24">
                    <param name="movie" value="button2.swf" />
                    <param name="quality" value="high" />
                    <param name="bgcolor" value="#DEDEBC" />
                    <embed
                        src="button2.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="103" height="24"
bgcolor="#DEDEBC"></embed>
                </object></td>
                <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" name="Search" width="100" height="23" id="Search">
                    <param name="movie" value="button1.swf" />
                    <param name="quality" value="high" />
                    <param name="bgcolor" value="#DEDEBC" />
                    <embed src="button1.swf" width="100" height="23" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" bgcolor="#DEDEBC"
name="Search"></embed>
                </object></td>
                <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">
                    <param name="movie" value="button3.swf" />
                    <param name="quality" value="high" />
                    <param name="bgcolor" value="#DEDEBC" />
                    <embed
                        src="button3.swf" quality="high"
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Ve
rsion=ShockwaveFlash" type="application/x-shockwave-flash" width="100" height="23"
bgcolor="#DEDEBC"></embed>
                </object></td>
                <td width="14%" bgcolor="#DEDEBC"><object
classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#ver
sion=5,0,0,0" width="100" height="23">

```

```

        <param name="movie" value="button4.swf" />
        <param name="quality" value="high" />
        <param name="bgcolor" value="#DEDEBC" />
        <embed
            src="button4.swf"
            quality="high"
            pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Version=ShockwaveFlash"
            type="application/x-shockwave-flash"
            width="100" height="23"
            bgcolor="#DEDEBC"></embed>
    </object></td>
    <td
        width="14%"
        bgcolor="#DEDEBC"><object
        classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
        codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#version=5,0,0,0"
        width="103" height="24">
            <param name="movie" value="button5.swf" />
            <param name="quality" value="high" />
            <param name="bgcolor" value="#DEDEBC" />
            <embed
                src="button5.swf"
                quality="high"
                pluginspage="http://www.macromedia.com/shockwave/download/index.cgi?P1_Prod_Version=ShockwaveFlash"
                type="application/x-shockwave-flash"
                width="103" height="24"
                bgcolor="#DEDEBC"></embed>
        </object></td>
</tr>
</table></td>
</tr>
<tr>
<td><hr />
        <h3 align="center" class="style1"><span
        class="style2">Welcome</span>&nbsp;<%=rs_welcome.Fields.Item("firstName").Value%>&nbsp;</h3>
        <p align="center" class="style1">***Be careful who you register in the DLR Database***</p>
        <h3 align="center">Registration Form </h3>
        <hr />
        <form ACTION="<%=MM_editAction%>" METHOD="POST"
        name="frmUser" id="frmUser">
            <table width="95%" border="1" align="center" cellpadding="3"
            cellspacing="0">
                <tr>
                    <td width="31%">First Name </td>
                    <td width="69%"><input name="firstname" type="text" id="firstname"
/></td>
                </tr>
                <tr>
                    <td>Last Name </td>
                    <td><input name="lastname" type="text" id="lastname" /></td>
                </tr>
                <tr>
                    <td>Office Phone</td>
                    <td><input name="offPhone" type="text" id="offPhone" /></td>

```

```

</tr>
<tr>
  <td>Office Room </td>
  <td><input name="offRoom" type="text" id="offRoom" /></td>
</tr>
<tr>
  <td>Email Address </td>
  <td><input name="email" type="text" id="email" size="40" /></td>
</tr>
<tr>
  <td>User Name </td>
  <td><input name="userName" type="text" id="userName" /></td>
</tr>
<tr>
  <td>Password</td>
  <td><input name="password" type="password" id="password" /></td>
</tr>
<tr>
  <td>User Group </td>
  <td><input name="userGroup" type="text" id="userGroup" /></td>
</tr>
<tr>
  <td>&nbsp;</td>
  <td><input
                                name="Submit"
                                type="submit"
onclick="MM_validateForm('firstname','R','lastname','R','email','RisEmail','userNam
e','R','userGroup','R','password','R');return
value="Submit" /></td>
                                document.MM_returnValue"
  </td>
</tr>
</table>
  <input type="hidden" name="MM_insert" value="frmUser">
</form>  <p align="left">&nbsp;</p></td>
</tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</body>
</html>
<%
rs_welcome.Close()
Set rs_welcome = Nothing
%>

```

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